CDX-7520

SERVICE MANUAL

US Model
Canadian Model
E Model

SPECIFICATIONS

Model Name Using Similar Mechanism	CDX-7540
CD Drive Mechanism Type	MG-200Z-33

CD player section

System: Compact disc digital audio system
Frequency response: 10 – 20,000 Hz ±3 dB
Signal-to-noise ratio: 90 dB
Wow and flutter: Below measurable limit
Laser Diode Properties
Material
GaAlAs
Wavelength
780 nm
Emission Duration
Continuous
Laser out-put Power
Less than 44.6 μW*
* This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block.

General

Power requirements: 12 V DC car battery (negative ground)
Current drain: 800 mA (CD playback)
2 A (during disc loading or eject)
Operating temperature
−10°C to 50°C (15°F to 120°F)
Dimensions: Approx. 180 × 50 × 146 mm (w/h/d) ($7\frac{1}{8} \times 2 \times 5\frac{3}{4}$ in.)
Weight: Approx. 1.7 kg (3 lb 12 oz)
Tone controls: Bass ±10 dB (100 Hz)
Treble ±10 dB (10 kHz)
Supplied accessories
Mounting hardware (1 set)
Optional accessories
Mounting kit
Cleaning cloth XP-CD1

Tuner section

		FM	AM
Tuning range	US, Canadian model	87.9 – 107.9 MHz	530 – 1,710 kHz
	E model	87.5 – 108.0 MHz	AM tuning interval 9 kHz/10 kHz switchable 531 – 1,602 kHz (at 9 kHz step) 530 – 1,620 kHz (at 10 kHz step)
Antenna terminal		FM/AM external antenna connector	
Intermediate frequency		10.7 MHz	450 kHz
Usable sensitivity		12 dBf (1.1 μV/75 ohms)	35 μV
Selectivity		75 dB at ±400 kHz	—
Signal-to-noise ratio		70 dB (monaural) 65 dB (stereo)	55 dB
Harmonic distortion at 1 kHz		0.3% (monaural) 0.5% (stereo)	0.3%
Stereo separation		35 dB	—
Frequency response		30 Hz – 15,000 Hz ±3 dB	

使用時は添付資料も参照のこと
Refer to the additional documents.

FM/AM COMPACT DISC PLAYER

SONY®

TABLE OF CONTENTS

Section	Title	Page
	Specifications	1
	Servicing Note	2
	SECTION 1. GENERAL	
	Location of Controls	3
	SECTION 2. CIRCUIT DESCRIPTION	4
	SECTION 3. MECHANICAL ADJUSTMENTS	6
	SECTION 4. ELECTRICAL ADJUSTMENTS	6
	SECTION 5. DIAGRAMS	
5-1.	Block Diagram	11
5-2.	Semiconductor Lead Layouts	15
5-3.	Printed Wiring Boards (MD Section)	16
5-4.	Schematic Diagram (MD Section)	19
5-5.	Circuit Board Location	21
5-6.	Printed Wiring Boards (MAIN Section)	22
5-7.	Schematic Diagram (MAIN Section)	25
5-8.	Schematic Diagram (TUNER Section)	29
5-9.	IC Block Diagrams	30
5-10.	WAVEFORMS	33
	SECTION 6. EXPLODED VIEWS	35
	SECTION 7. ELECTRICAL PARTS LIST	41

SERVICING NOTE

Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270°C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

Notes on chip component replacement

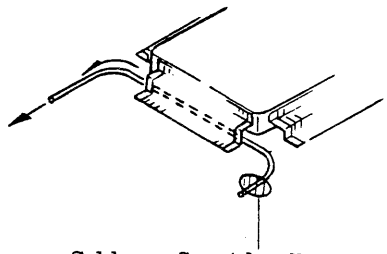
- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

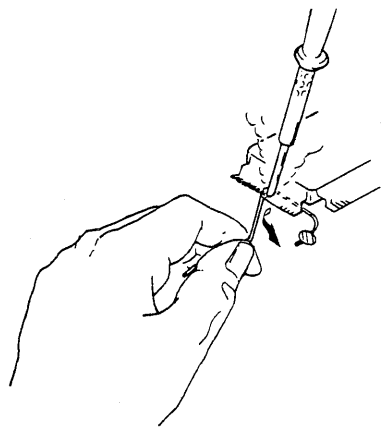
Removing the Flat Package IC

1. Prepare an enameled wire (0.3mm diameter) and apply it to the back side of the IC pins as illustrated below.



Solder or fix with adhesive tape.

2. Heat the IC pin with the soldering iron and draw the enameled wire so that the IC pin is removed from the pattern as illustrated.



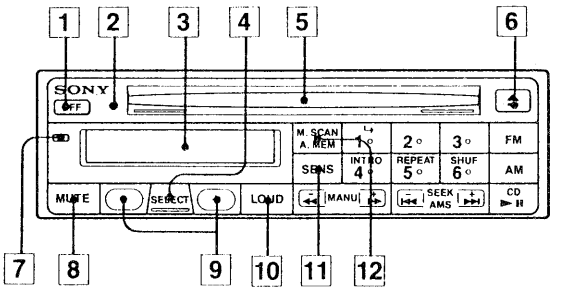
ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SECTION 1
GENERAL

Location of Controls

General section



1 **OFF (power off) button**

2 **Reset button**

3 **Display window**

4 **SELECT (volume/balance/bass/treble/ fader select) button**

5 **Disc insertion slot**

6 **⏏ (eject) button**

7 **ILL (illumination color change) button**
Press to change the color of illumination. Two colors, green and amber, are available.

8 **MUTE button**
Press to momentarily mute the sound. Press again to restore the same level as before.

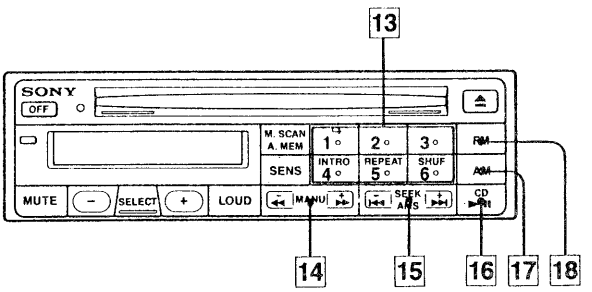
9 **−/+ buttons**

10 **LOUD (loudness) button**
Press to reinforce bass and treble especially when listening at low volume. To disengage the button, press it again.

11 **SENS button**

12 **M.SCAN (memory scan) button**
A.MEM (automatic memory)

Radio/CD section



13

Number	During disc play	During radio reception
1	↳ (skipping to the top) button	Preset number buttons
2	—	
3	—	
4	INTRO button	
5	REPEAT button	
6	SHUF (shuffle) button	

	During disc play	During radio reception
14	MANU ◄◄/►► (manual search) button	MANU +/− (manual tuning) button
15	AMS* ⏮/⏭ button	SEEK +/− (automatic tuning) button

16 **CD ► II (disc play/pause) button**

17 **AM (tuner on/band select) button**

18 **FM (tuner on/band select) button**

* Automatic Music Sensor

SECTION 2
CIRCUIT DESCRIPTION

IC3 PINS (CXD1167Q)

Pin No.	Terminal	I/O	Description
1	FSW	O	Output time constant transfer.
2	MON	O	ON/OFF Control output.
3	MDP	O	Output drive of spindle motor.
4	MDS	O	Output drive of spindle motor.
5	EFM	I	Input the EFM signal from RF amplifier.
6	ASY	O	Control the slice level of EFM signal for output.
7	LOCK	O	"H" is H output, "L" is L output.
8	VCOO	O	Output VCO.
9	VCOI	I	Input VCO.
10	TEST	I	(0 V)
11	PDO	O	Phase compare output.
12	VSS	–	GND (0 V)
13	CLK	I	Data latch/Clock input from CPU.
14	XLT	I	Input the latch from CPU.
15	DATA	I	Serial data input from CPU.
16	XRST	I	System reset input.
17	CNIN	I	Input the tracking pulse.
18	SENS	O	Address.
19	MUTG	I	Muting input.
20	CRCF	O	Subcode Q signal output.
21	EXCK	I	Clock input for subcode serial output.
22	SBSO	O	Subcode serial output.
23	SUBQ	O	Subcode Q signal output.
24	SCOR	O	Subcode sync S0+S1 signal output.
25	SQCK	I/O	Subcode Q signal clock.
26	SQEX	I	Selective output of SQCK.
27	DOTX	O	Digital out output.
28	GFS	O	Display output.
29	TEST	I	"H" or "L".
30	TEST	I	"H" or "L".
31	TEST	I	"H" or "L".
32	TEST	I	"H" or "L".
33	VDD	–	POWER (+5 V)
34	TEST	I	"H" or "L".
35	TEST	I	"H" or "L".
36	TEST	I	"H" or "L".
37	TEST	I	"H" or "L".
38	TEST	I	"H" or "L".
39	TEST	I	"H" or "L".
40	TEST	I	"H" or "L".
41	TEST	I	"H" or "L".

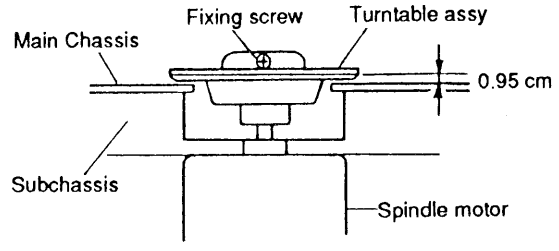
IC3 PINS (CXD1167Q)

Pin No.	Terminal	I/O	Description
42	TEST	I	"H" or "L".
43	TEST	I	"H" or "L".
44	TEST	I	"H" or "L".
45	TEST	I	"H" or "L".
46	TEST	I	"H" or "L".
47	TEST	I	"H" or "L".
48	TEST	I	"H" or "L".
49	TEST	I	"H" or "L".
50	TEST	I	"H" or "L".
51	C4M	O	X'tal. f = 4.2336 MHz
52	VSS	–	GND (0 V)
53	XTAI	I	X'tal oscillate input. f = 8.4672 MHz or 16.9344 MHz
54	XTAO	O	X'tal oscillate output. f = 8.4672 MHz or 16.9344 MHz
55	MD1	I	Mode select input 1.
56	MD2	I	Mode select input 2.
57	MD3	I	Mode select input 3.
58	SLOB	I	Code change input of audio data output.
59	PSSL	I	Mode change input of audio data output.
60	APTR	O	Aperture control output. R-ch: "H".
61	APTL	O	Aperture control output. L-ch: "H".
62	DA01	O	PSSL = "H": DA01 output. PSSL = "L": C1F1 output.
63	DA02	O	PSSL = "H": DA02 output. PSSL = "L": C1F2 output.
64	DA03	O	PSSL = "H": DA03 output. PSSL = "L": C2F1 output.
65	DA04	O	PSSL = "H": DA04 output. PSSL = "L": C2F2 output.
66	DA05	O	PSSL = "H": DA05 output. PSSL = "L": C2FL output.
67	DA06	O	PSSL = "H": DA06 output. PSSL = "L": C2PO output.
68	DA07	O	PSSL = "H": DA07 output. PSSL = "L": RFCK output.
69	DA08	O	PSSL = "H": DA08 output. PSSL = "L": WFCK output.
70	DA09	O	PSSL = "H": DA09 output. PSSL = "L": $\overline{\text{PLCK}}$ output.
71	DA10	O	PSSL = "H": DA10 output. PSSL = "L": UGFS output.
72	DA11	O	PSSL = "H": DA11 output. PSSL = "L": GTOP output.
73	VDD	–	POWER (+5 V)
74	DA12	O	PSSL = "H": DA12 output. PSSL = "L": RAOV output.
75	DA13	O	PSSL = "H": DA13 output. PSSL = "L": C4LR output.
76	DA14	O	PSSL = "H": DA14 output. PSSL = "L": BCLK output.
77	DA15	O	PSSL = "H": DA15 output. PSSL = "L": $\overline{\text{BCLK}}$ output.
78	DA16	O	PSSL = "H": DA16 output. PSSL = "L": DATA output.
79	WDCK	O	Strobe signal output. DF ON: 176.4 kHz, DF OFF: 88.2 kHz
80	LRCK	O	Strobe signal output. DF ON: 88.2 kHz, DF OFF: 44.1 kHz

SECTION 3
MECHANICAL ADJUSTMENTS

Turntable Height Adjustment

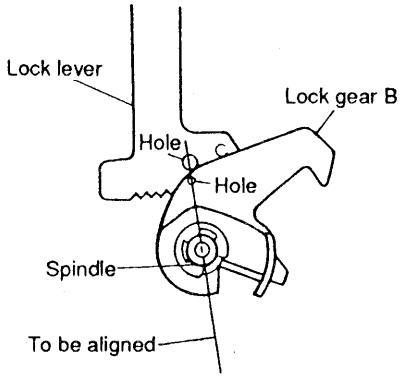
Loosen the fixing screws and adjust the height to the specification illustrated.



Lock Gears (A and B) Installing Adjustment

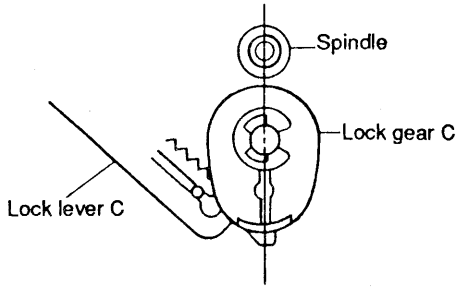
Since installing lock gears A and B is the same, only lock gear B is described below.

1. Rotate the gear near the motor with your fingers to move the optical section toward the external circumference.
2. Continue to rotate the gear until the lock gear is disconnected from the notch of the chassis and stops.
3. Fix the lock gear so that the holes of the lock lever and the lock gear and the spindle are roughly aligned.



Lock Gear C installing Position Adjustment

1. Rotate the gear near the motor and move the optical section toward the external circumference.
2. Continue to rotate the gear until the lock gear is disconnected from the notch of the chassis and stops.
3. Fix lock gear C so that the spindle, the lock gear C fixing axis and the center of the lock gear C projection are roughly aligned.



SECTION 4
ELECTRICAL ADJUSTMENTS

SERVICE MODE

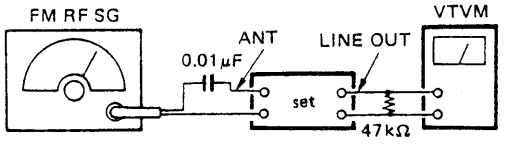
IC Name	
μPD75516GF-107	Put on the MUTE and PRESET [1] button at simultaneous.
μPD75516GF-160	Put on the MUTE and LOUD button at simultaneous.

How to cancel of service mode:

Push of the [OFF] button or [RESET] button.

Carrier leak

Adjustment:



Carrier frequency: US, Canadian model: 97.9MHz
E model: 98.0MHz
Output level: 1mV (More than 35dB)
Mode: FM
Modulation: Pilot signal 19kHz, 7.5kHz deviation (10%)

Procedure:

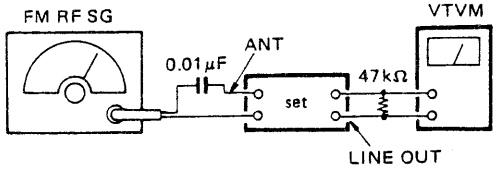
1. Tune-up at US, Canadian model: 97.9MHz, E model: 98.0MHz.
2. Adjust RV601.

FM stereo separation adjustment

Conditions:

BAND SWITCH FM STEREO
FREQUENCY US, Canadian model: 97.9MHz
E model: 98.0MHz

Adjustment:



Carrier frequency: US, Canadian model: 97.9MHz
E model: 98.0MHz
Output level: 1mV (More than 35dB)
Mode: FM
Modulation: Main channel: 1kHz, 33.75kHz deviation (45%)
Pilot signal: 19kHz, 7.5kHz deviation (10%)
Subchannel: 1kHz, 33.75kHz deviation (45%)

Procedure:

FM Stereo SSG Output channel	VTVM connection	VTVM reading (dB)
L-CH	L-CH	(A)
R-CH	L-CH	Adjust RV602 so that the VTVM reading is minimum. (B)
R-CH	R-CH	(C)
L-CH	R-CH	Adjust RV602 so that the VTVM reading is minimum. (D)

Note: The separation values in the two channels should be identical.
(A) – (B) = (C) – (D)

PLL free-run frequency adjustment

Perform on service mode.

Adjustment:

1. Remove the soldering bridge (EFM) from the RF board.
2. Connect the frequency counter to test point (PLCK).
3. Turn the power on and adjust RV5 so that frequency counter reading satisfies the specification.

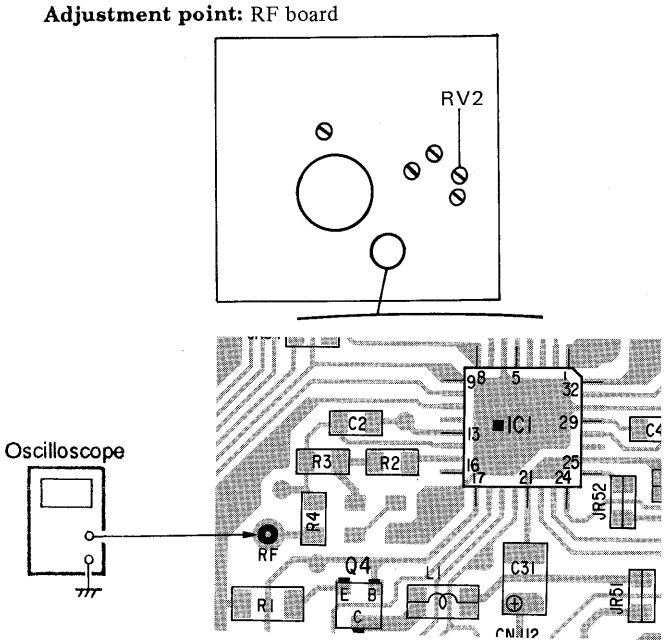
Adjustable limits: 4.3118 to 4.3318MHz

Focus offset adjustment

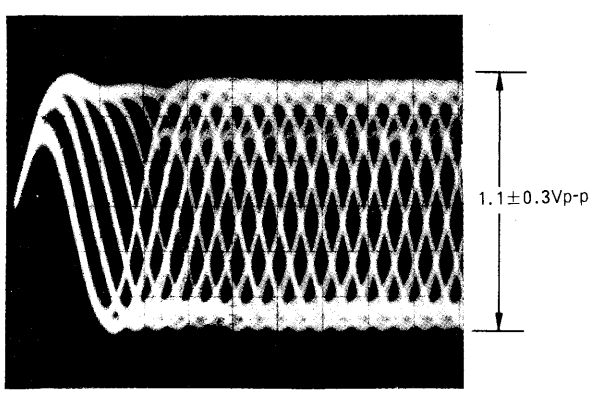
Adjustment:

1. Connect the oscilloscope to test point RF on the RF board.
2. Load a disc and set mode to PLAY.
3. Adjust RV2 so that the waveform on the oscilloscope (eye pattern) is maximum with good shape. "Well-shaped eye pattern" means that the mark " ◇ " is clearly distinguished at the center of the waveform.

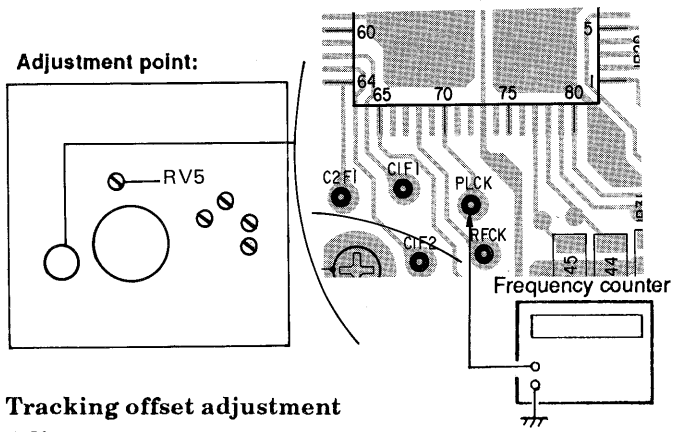
Adjustment point: RF board



Volt/div: 200mV
Time/div: 0.5µsec



Adjustment point:

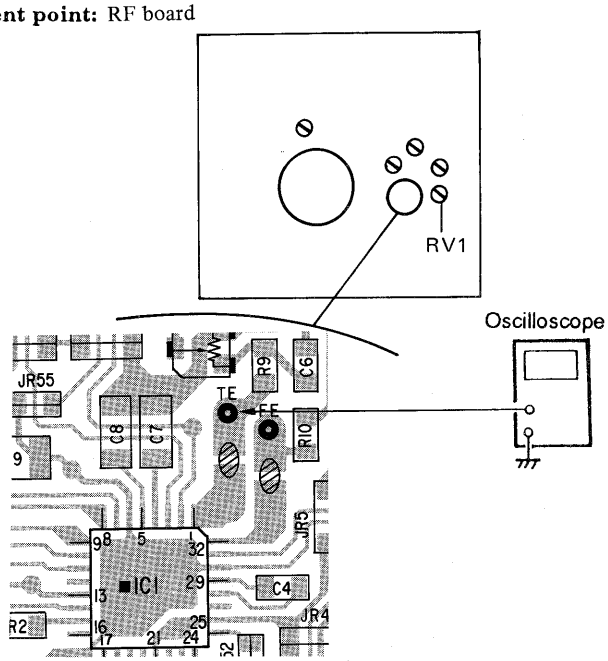


Tracking offset adjustment

Adjustment:

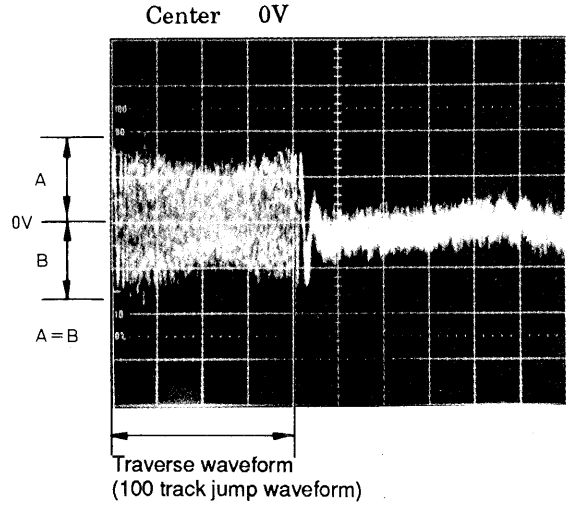
1. Connect the oscilloscope to test point TE on the MD board.
2. Load a disc and set mode to PLAY.
3. Press button |◀◀ or ▶▶| (◀◀ or ▶▶) and observe the traverse waveform.
4. Adjust RV1 so that the waveform is symmetric when cenetered at the level to be accessed.

Adjustment point: RF board



* Traverse waveform: Tracking error waveform which is observed when the track is traversed.

Volt/div: 0.5V
Time/div: 2msec
Center 0V



Tracking gain adjustment (Coarse adjustment)

This adjustment is not required unless the following parts are replaced:

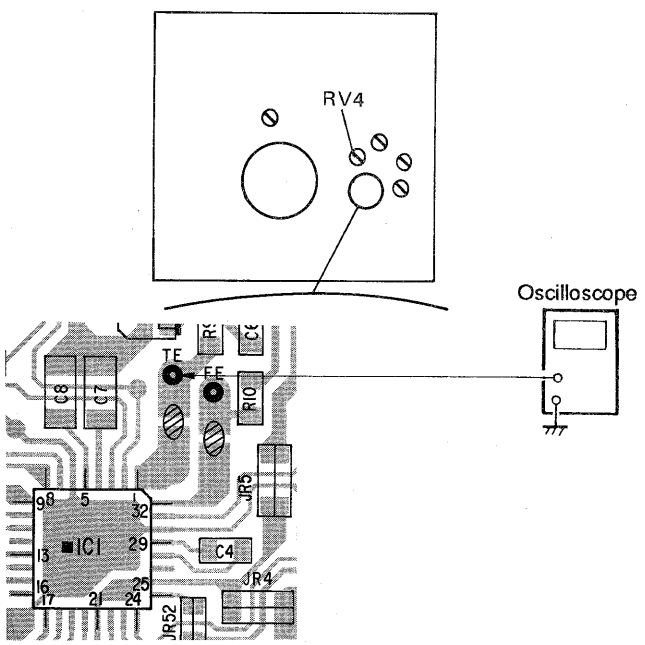
- Optical block
- BF503

Before starting this adjustment, complete the focus offset adjustment and the tracking off set adjustment.

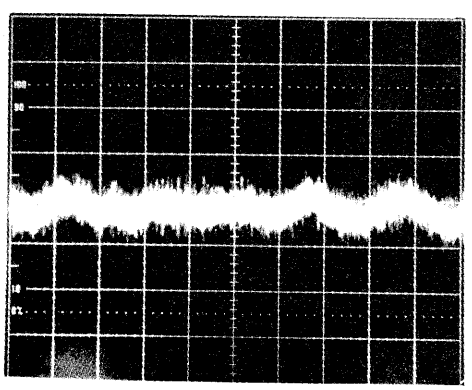
Adjustment:

1. Connect the oscilloscope to test point TE on the main board.
2. Load a disc and set mode to PLAY.
3. Turning RV4 clockwise, from the leftmost position, observe the waveform on the oscilloscope.
   Fix RV4 at the position where the waveform is become stable.

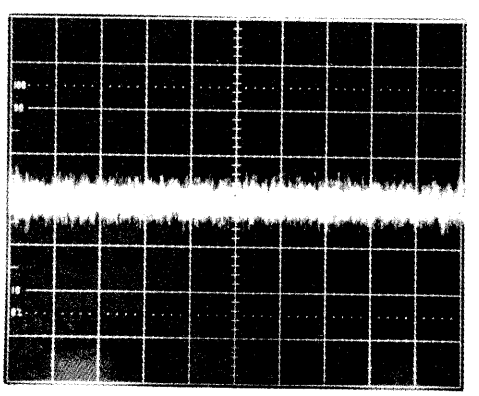
Adjustment point: RF board



Volt/div: 0.5V
Tile/div: 2msec



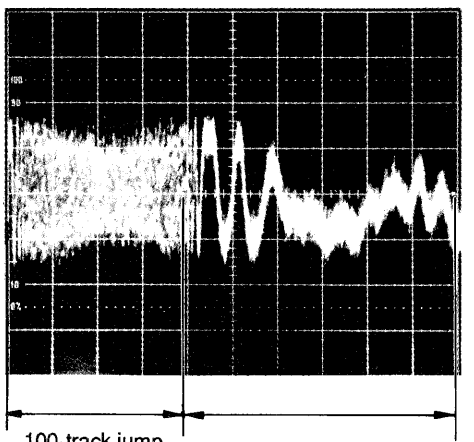
Fluctuating waveform



Stable waveform

- If the gain is too low

When music is selected by pressing button ⏮ or ⏭ , the tracking jump waveform is not focused completely and the music selection is delayed. (Break function does not work wall because its gain is too low.)

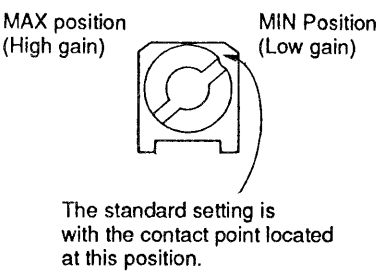


100-track jump waveform

Traverse waveform caused when break is not functioning well

- If the gain is too high

Noise due to scratches and dust is heard and the operation becomes unstable.



The standard setting is with the contact point located at this position.

– RV4 standard setting –

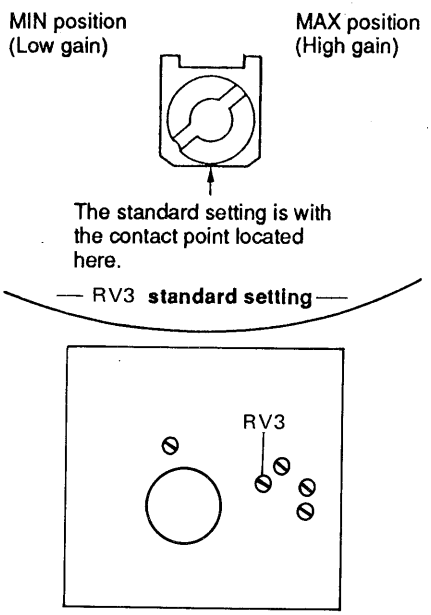
Focus gain adjustment (Coarse adjustment)

This adjustment is not required unless the following parts are replaced:

- Optical block
- RV3

Adjustment

1. Set RV3 to the standard position.
2. Check whether operation noise (white noise type) caused by the double-axis device (lens section of the optical block) is abnormally loud.
   If the operation noise is too loud, turn RV3 slightly counterclockwise.

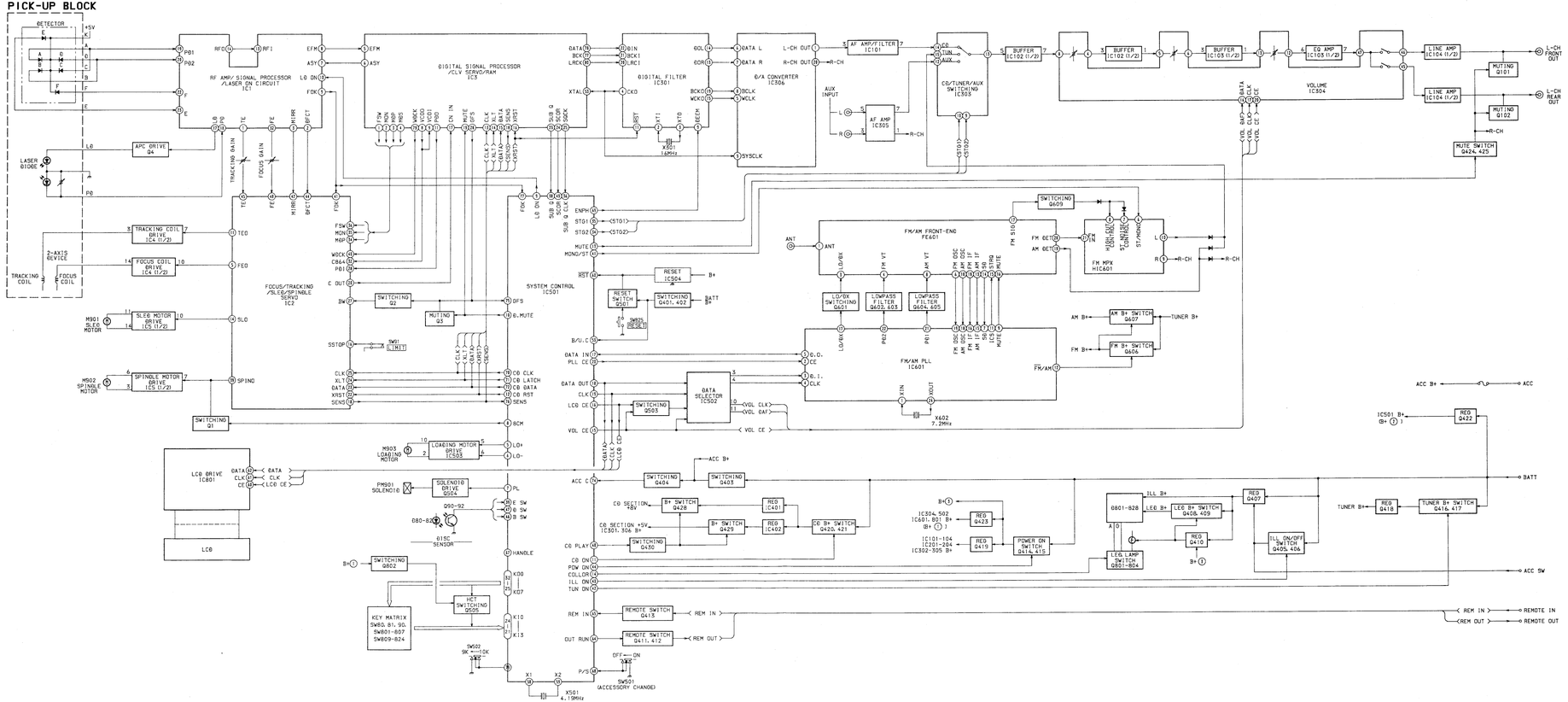


- If the gain is too low:
  Focus does not function and no music is selected.
- If the gain is too high:
  Noise caused by scratches and dust is heard and the operation becomes unstable.

5-1. BLOCK DIAGRAM

SECTION 5 DIAGRAMS

OPTICAL PICK-UP BLOCK



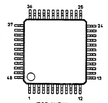
5-2. SEMICONDUCTOR LEAD LAYOUTS

CXA1081Q

RC78M05FA
RC7808FA

CL-55Y/PG-D

CXA1082BQ



DTA124EK
DTC114EK
DTC124EK
DTC143TU
DTC144EK
DTC314TKH04
DTD113EK
2SB624-BV345
2SC2412K

LN1251C

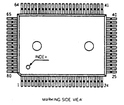
MA152WK

LB1645N

PN147-LF

PZ427

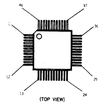
CXD1167Q
UPD75516GF-107-3B9



RD3.9ES-B2
RD4.3ES-B2
RD5.6ES-B2
RD6.2ES-L1
RD8.2ES-B3
RD9.1ES-B2
RD9.1ES-B3
RD16ES-B3
1SS119

2SB1184-F5-R
2SD1760F5-Q

LC7537AN



2SB1115A
2SD1664-R

1SS226

S-8054HN-CB

1S2836

LC7582

10E2

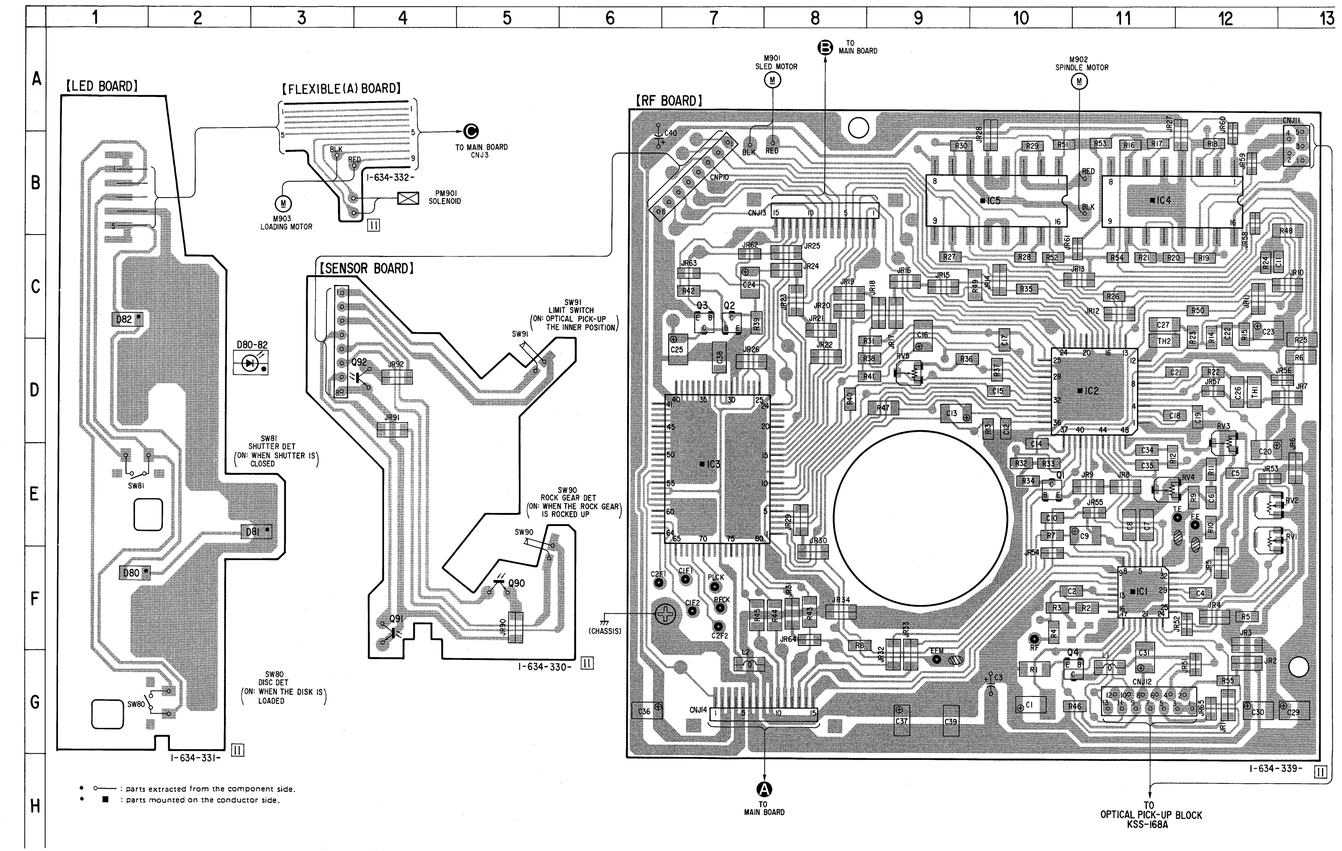
• SEMICONDUCTOR LOCATION (MD Section)

Ref. No.	Location
D80	F-1
D81	E-3
D82	C-1
IC1	F-11
IC2	D-11
IC3	E-7
IC4	B-11
IC5	B-10
Q1	E-10
Q2	C-7
Q3	C-7
Q4	G-10
Q90	F-5
Q91	F-4
Q92	D-4

• SEMICONDUCTOR LOCATION (MAIN Section)

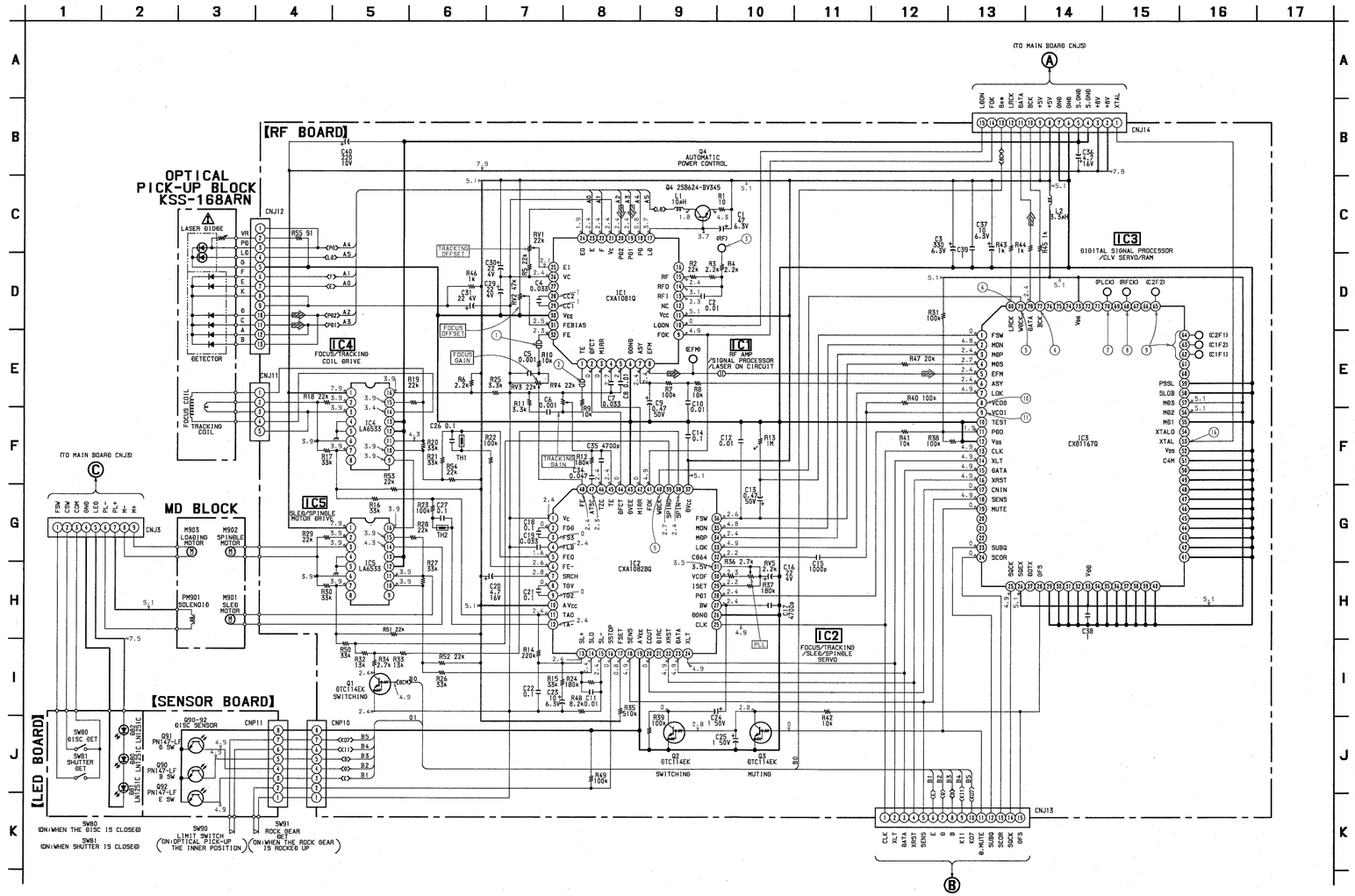
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D101	F-8	D812	B-20	Q402	F-10
D102	F-8	D813	B-20	Q403	D-13
D103	H-8	D814	B-21	Q404	D-13
D201	E-8	D815	B-22	Q405	E-19
D202	E-8	D816	B-23	Q406	E-19
D203	F-8	D817	B-20	Q407	E-19
D301	E-7	D818	B-20	Q408	J-9
D402	F-10	D819	B-21	Q409	K-10
D403	E-13	D820	B-22	Q410	E-19
D404	E-13	D821	B-23	Q411	E-16
D405	D-9	D822	C-19	Q412	E-12
D406	D-9	D823	C-20	Q413	E-12
D407	D-8	D824	C-21	Q414	E-17
D408	E-11	D825	C-21	Q415	E-18
D409	D-11	D826	C-22	Q416	E-10
D410	E-10	D827	C-22	Q417	D-10
D411	E-8	D828	C-23	Q418	E-18
D412	F-10	D829	B-6	Q419	E-8
D413	F-10	D902	C-2	Q420	E-22
D414	E-8			Q421	E-5
D415	H-10	IC101	I-5	Q422	F-10
D416	E-5	IC102	G-7	Q423	E-20
D501	J-8	IC103	G-7	Q424	E-8
D502	J-8	IC104	G-9	Q425	F-8
D503	J-8	IC201	H-5	Q428	E-23
D504	J-8	IC202	F-7	Q429	E-5
D505	K-7	IC203	F-7	Q430	F-5
D506	F-4	IC204	F-9	Q501	J-19
D507	F-5	IC301	J-5	Q502	K-23
D509	J-8	IC302	G-9	Q503	K-7
D510	E-5	IC303	F-6	Q504	F-5
D511	E-5	IC304	G-21	Q505	I-21
D601	I-12	IC305	D-6	Q601	F-13
D602	I-11	IC306	J-5	Q602	F-13
D603	I-11	IC401	D-6	Q603	G-12
D604	I-11	IC402	D-5	Q604	G-13
D801	A-15	IC501	I-9	Q605	G-13
D802	A-16	IC502	J-21	Q606	G-12
D803	A-17	IC503	F-4	Q607	H-12
D804	C-15	IC504	I-10	Q609	J-13
D805	C-16	IC601	J-11	Q801	B-10
D806	C-17	IC751	H-1	Q802	B-10
D807	C-18	IC801	B-11	Q803	B-6
D808	C-19			Q804	A-6
D809	A-22	Q101	F-9		
D810	A-22	Q102	F-9		
D811	A-23	Q201	E-9		
		Q202	E-9		
		Q401	F-10		

5-4. PRINTED WIRING BOARDS (MD Section)



5-4. SCHEMATIC DIAGRAM (MD Section)

- **See page 30 for IC BLOCK DIAGRAMS.**
- **See page 33 for WAVEFORMS.**



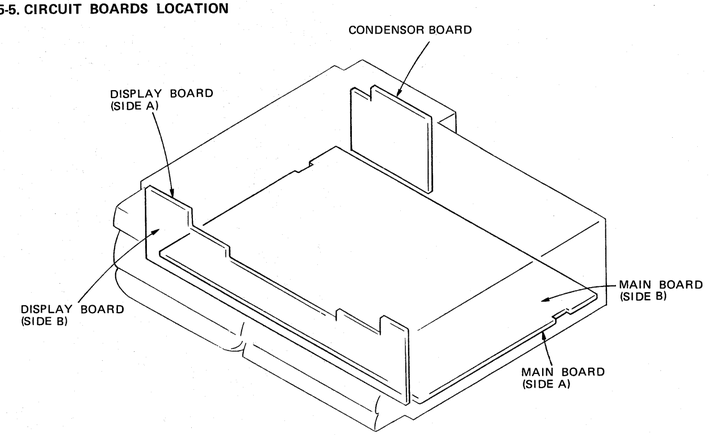
Note: (Main SECTION)

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/10W or less unless otherwise specified.
- △ : internal component.
- ——— : B+ lines.
- Power voltage is dc 14.4V dc and fed with regulated dc power supply from external power voltage jack.
- Voltage and waveforms are dc with respect to ground under no signal conditions.
  no mark : FM
  ( ) : CD PLAY
  《 》: AM
- Voltages are taken with a VOM. (input impedance 10 MΩ) Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : FM
  ⇛ : CD
  ⇛ : AUX

Note: (MD SECTION)

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/10W or less unless otherwise specified.
- ——— : B+ lines.
- Power voltage is dc 14.4V dc and fed with regulated dc power supply from battery, accesory terminals..
- Voltage and waveforms are dc with respect to ground under no signal conditions.
  no mark : CD PLAY
- Circled numbers refer to waveforms.
- Signal path.
  ⇛ : CD

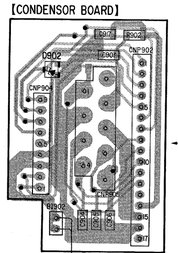
5-5. CIRCUIT BOARDS LOCATION



5-6. PRINTED WIRING BOARDS (MAIN Section)

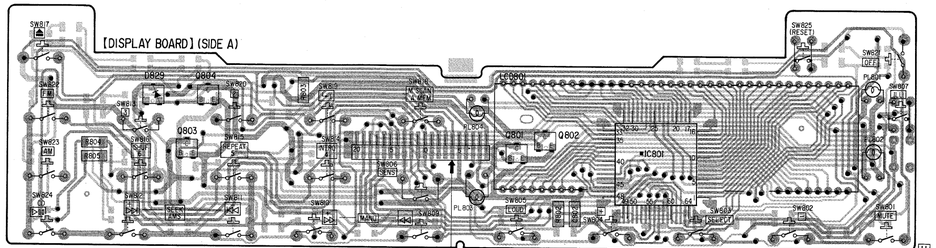
- ○—— : parts extracted from the component side.
- ■ : parts mounted on the conductor side.
- ● : Through hole.
- ▒▒ : Pattern on the side which is seen.
- ▒▒ : Pattern of the rear side.

【CONDENSOR BOARD】



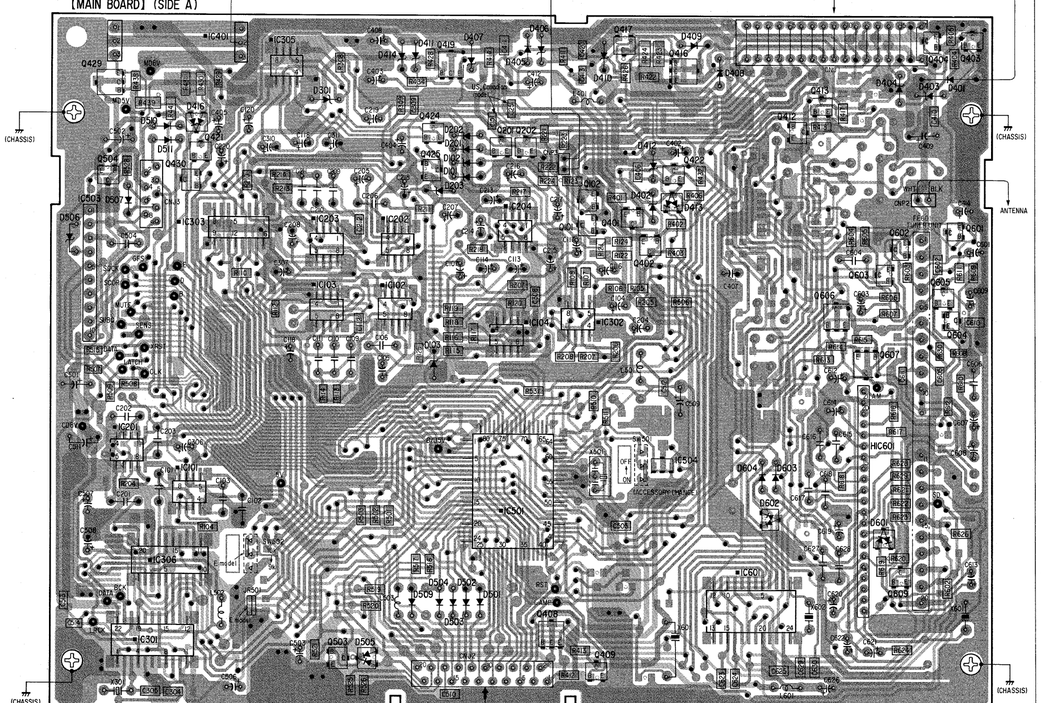
1-634-328-

【DISPLAY BOARD】(SIDE A)



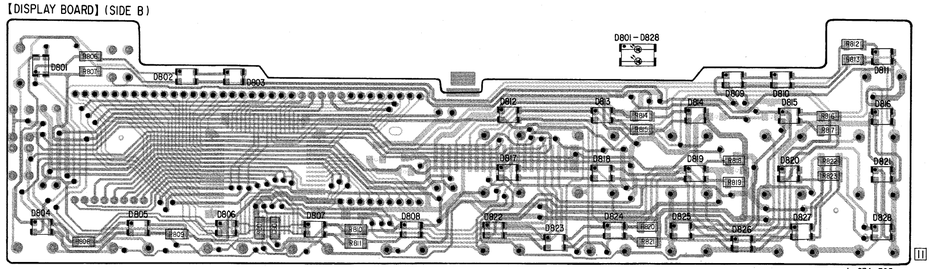
1-634-325-

【MAIN BOARD】(SIDE A)



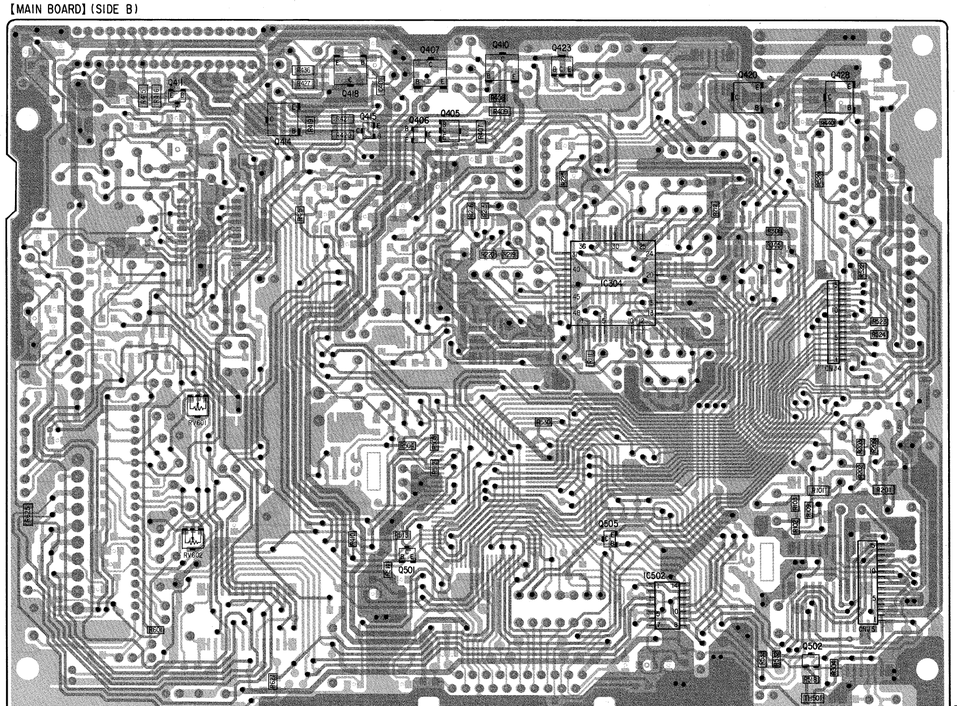
1-634-324-

【DISPLAY BOARD】(SIDE B)

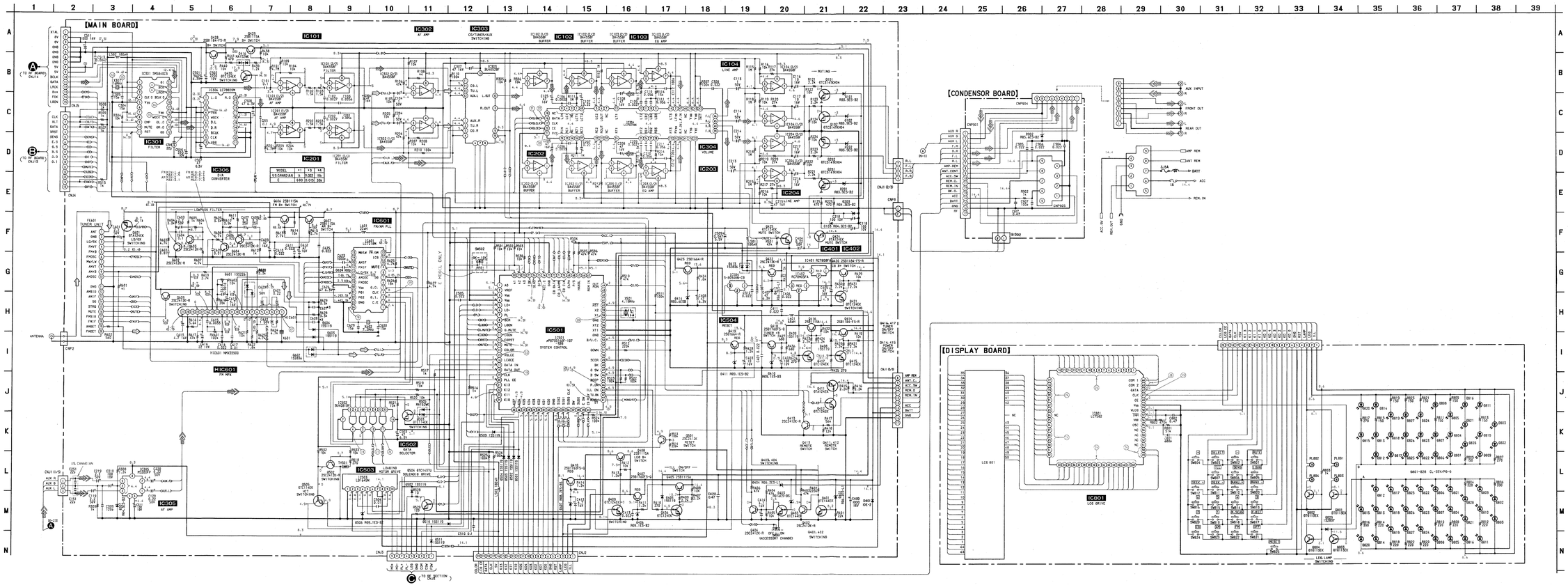


1-634-325-

【MAIN BOARD】(SIDE B)



1-634-324-


【MAIN BOARD】
【CONDENSOR BOARD】
【DISPLAY BOARD】
IC101
IC201
IC202
IC203
IC204
IC205
IC301
IC302
IC303
IC401
IC402
IC501
IC502
IC503
IC504
IC505
IC601
IC602
IC603
IC604
IC605
IC606
IC607
IC608
IC609
IC610
IC611
IC612
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IC614
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IC616
IC617
IC618
IC619
IC620
IC621
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IC624
IC625
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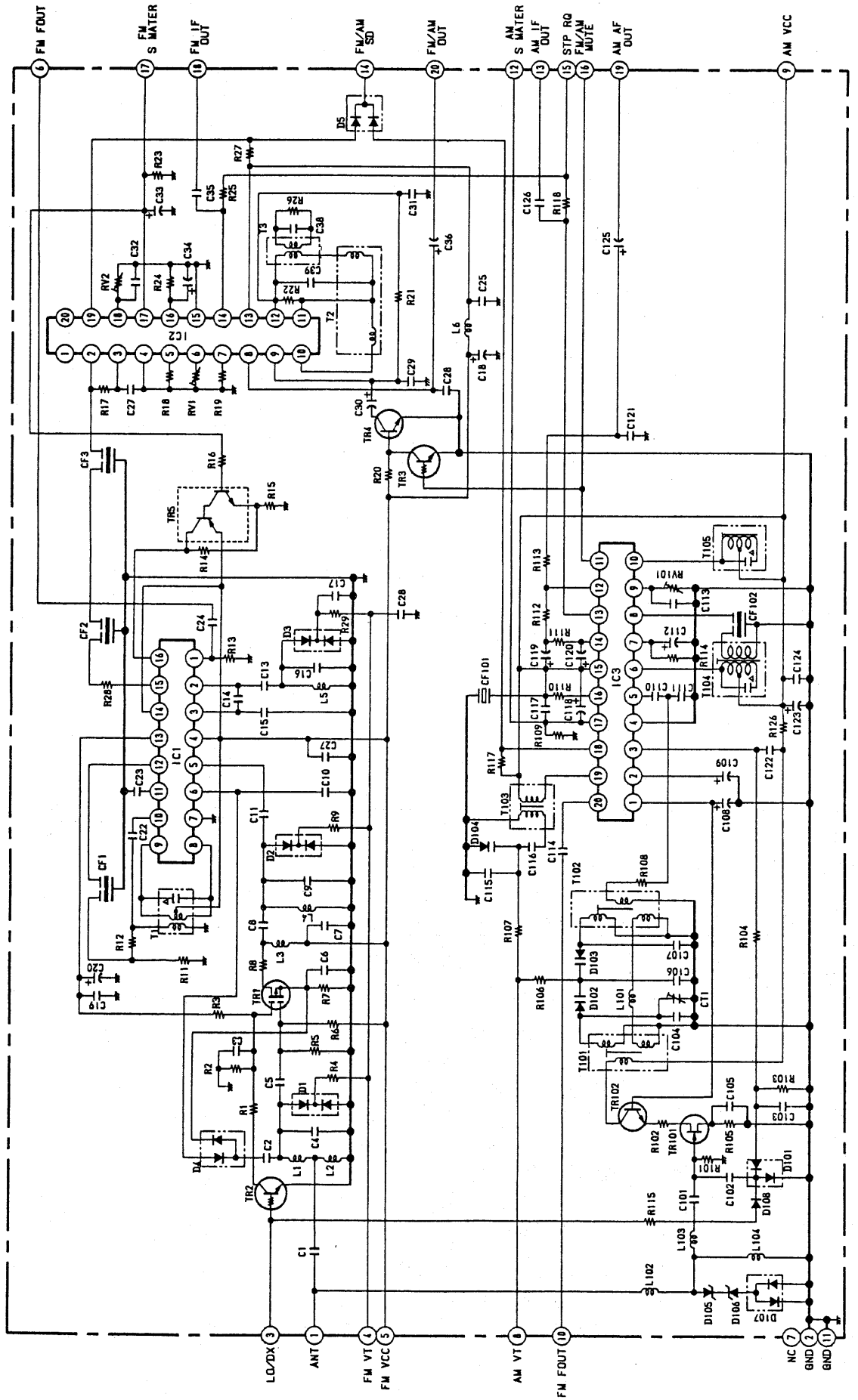
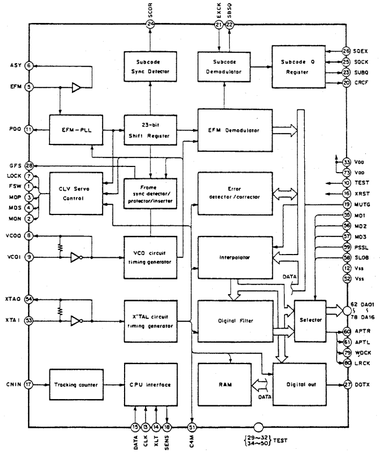
IC627
IC628
IC629
IC630
IC631
IC632
IC633
IC634
IC635
IC636
IC637
IC638
IC639
IC640

5-8. SCHEMATIC DIAGRAM (TUNER Unit FE601)

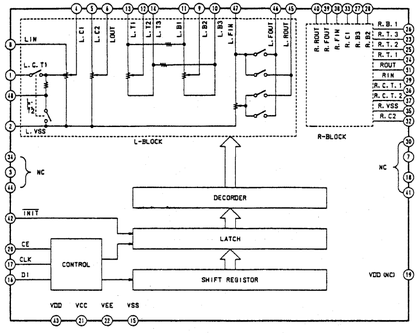


5-9. IC BLOCK DIAGRAM

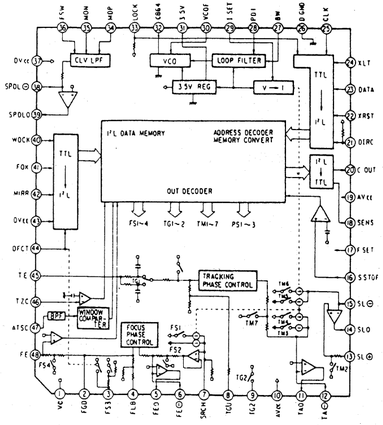
● IC3
CXD1167Q



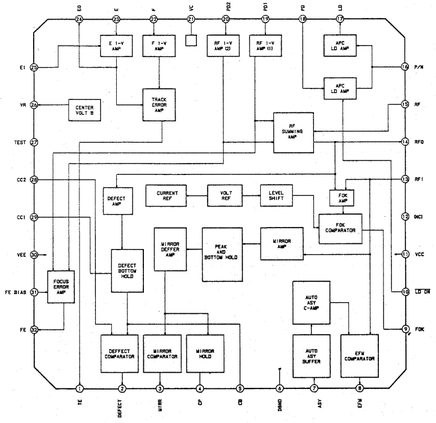
● IC304
LC7537AN



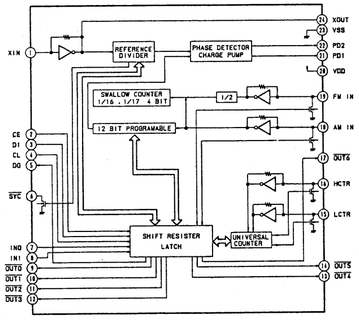
● IC2
CXA1082BQ



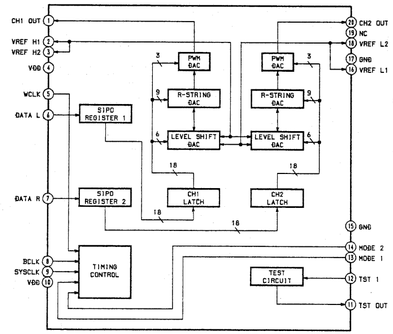
● IC1
CXA1081Q



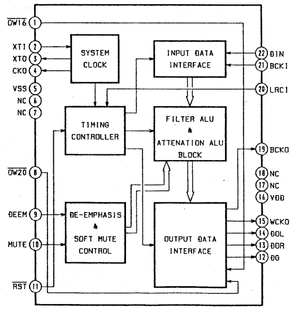
● IC601
LC7218M



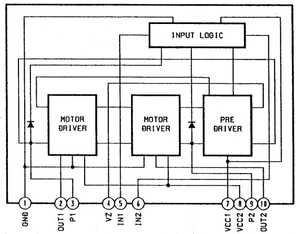
● IC306
LC78820



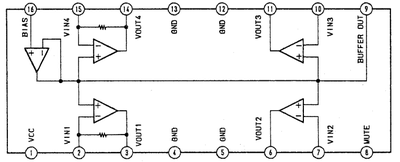
● IC301
SM5840CS



● IC503
LB1645N

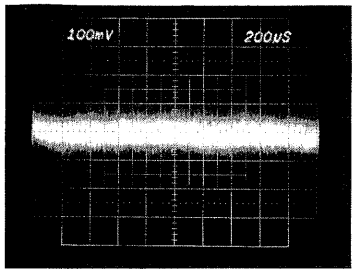


● IC4. 5
LA6533

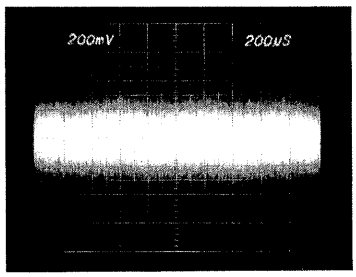


5-10. WAVEFORMS

①



②



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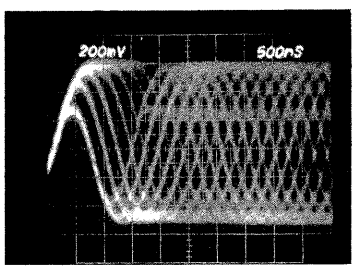

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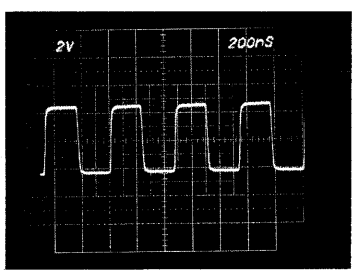

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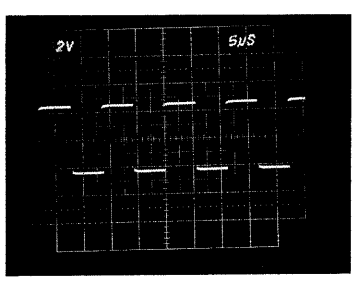

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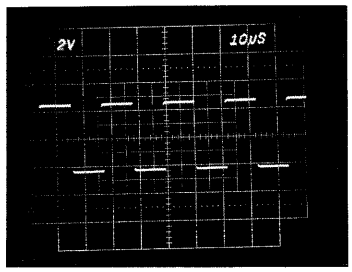

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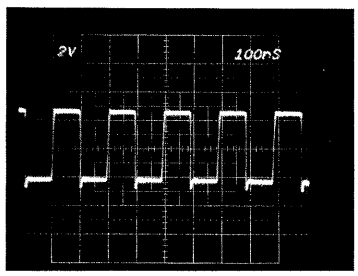

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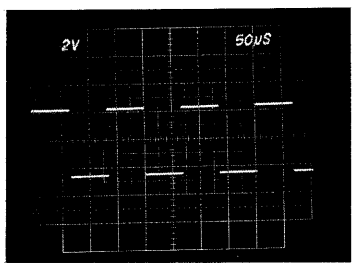

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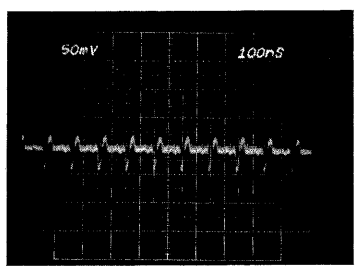

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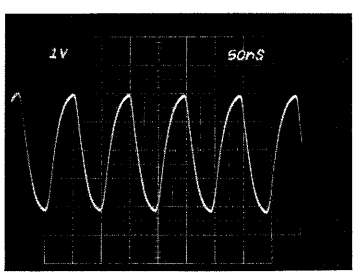

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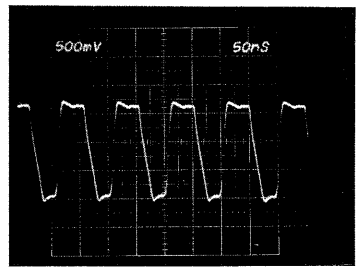

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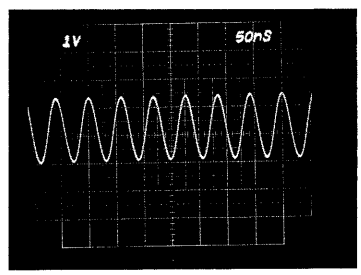

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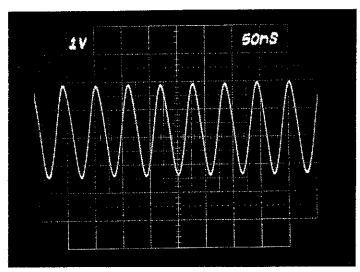

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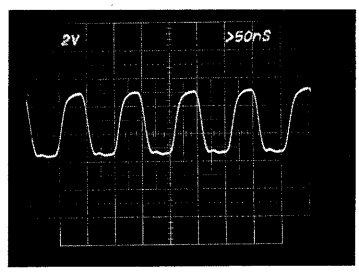

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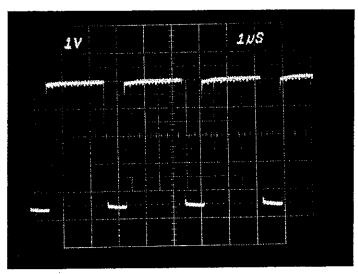

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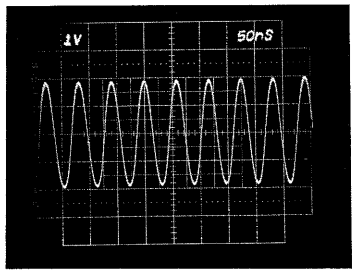
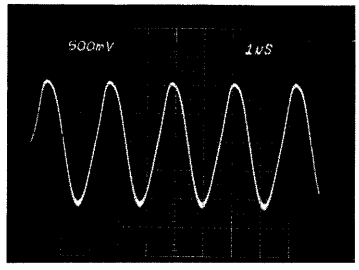
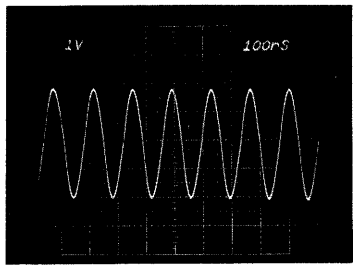

1V
50nS

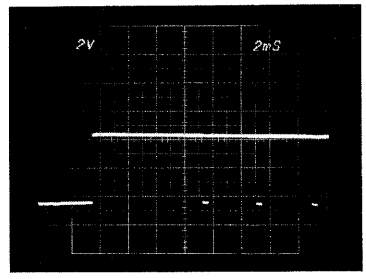
⑰


500mV
1uS

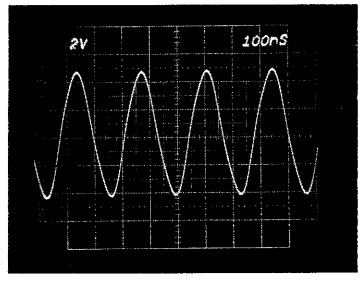
⑱


1V
100nS

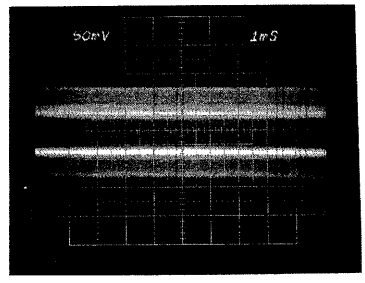
⑲


2V
2mS

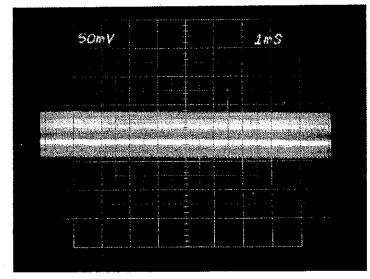
⑳


2V
100nS

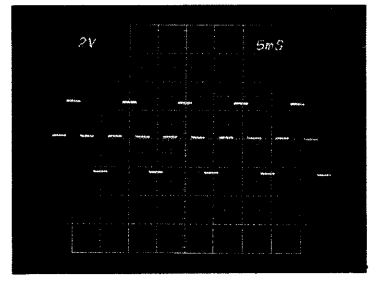
㉑


50mV
1mS

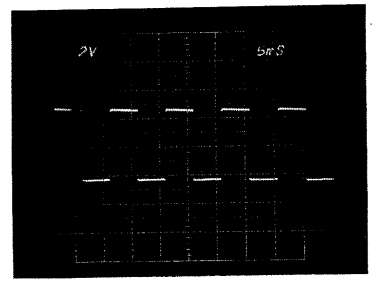
㉒


50mV
1mS

㉓


2V
5mS

㉔


2V
5mS

SECTION 6
EXPLODED VIEWS

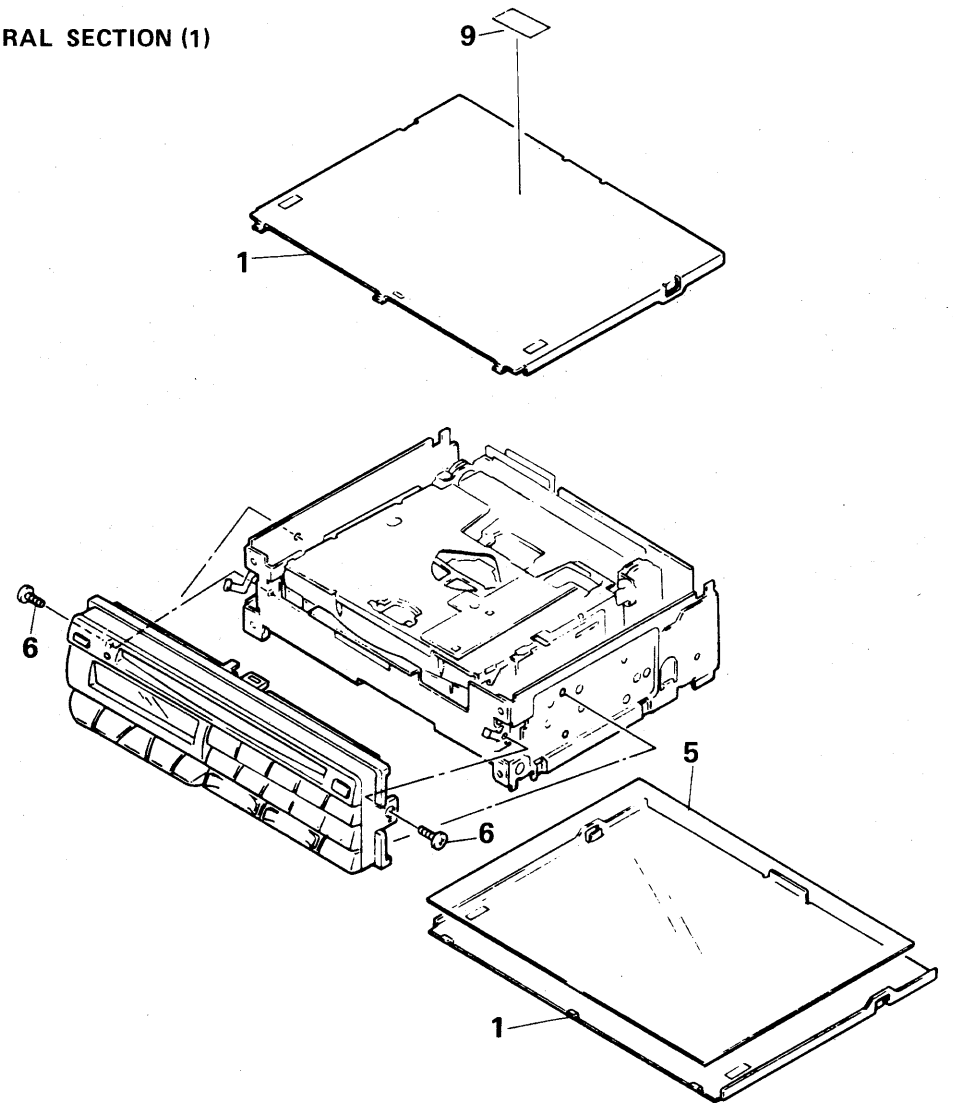
NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts Example:
  (RED) . . . KNOB, BALANCE (WHITE)
  ↑ ↑
  Cabinet's Color Parts' Color

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifé.

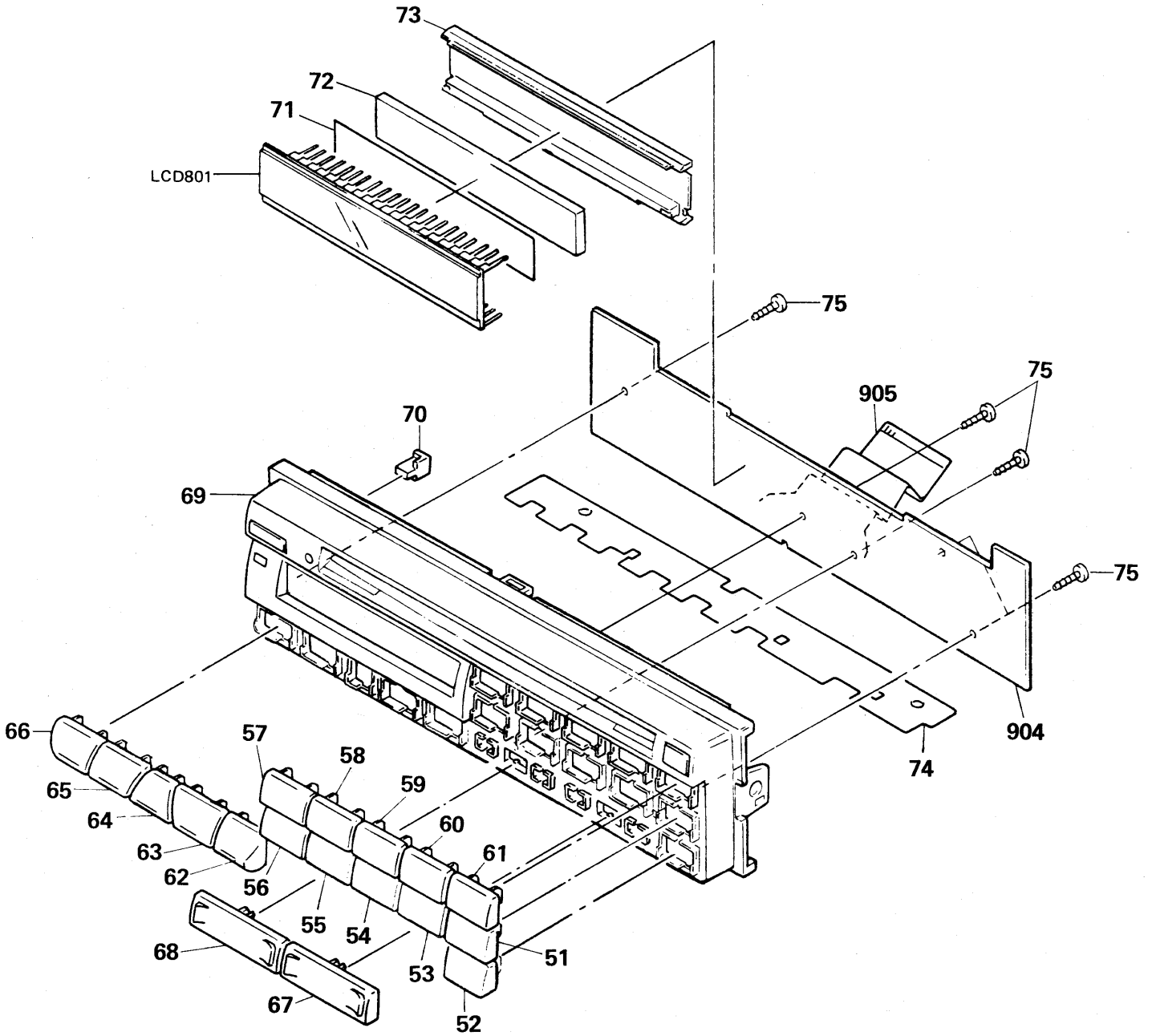
1. GENERAL SECTION (1)



No.	Part No.	Description	Remarks
1	*3-355-249-01	COVER	
5	*3-355-254-01	SHEET, INSULATING	
6	7-621-770-67	SCREW +PTT 2.6X6 (S)	

No.	Part No.	Description	Remarks
9	*3-362-064-01	(US).....LABEL, MODEL NUMBER	
	*3-362-066-01	(Canadian)...LABEL, MODEL NUMBER	
	*3-362-067-01	(E).....LABEL, MODEL NUMBER	

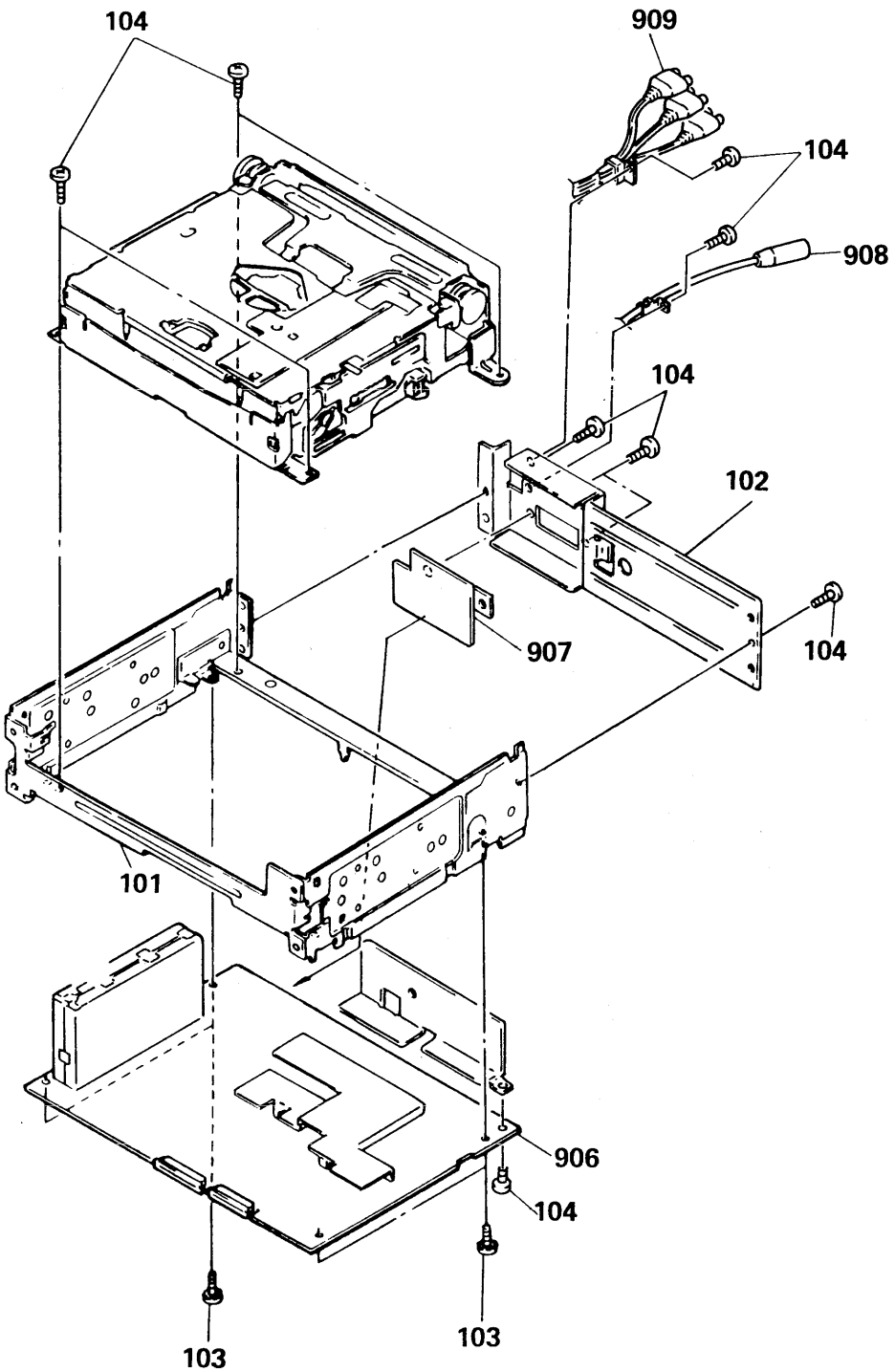
2. GENERAL SECTION (2)



No.	Part No.	Description	Remarks
51	3-355-261-01	BUTTON (N1,S)(AM)	
52	3-355-262-01	BUTTON (N1,RD)(CD/►II)	
53	3-355-260-51	BUTTON (PRESET)(6/SHUF)	
54	3-355-260-41	BUTTON (PRESET)(5/REPEAT)	
55	3-355-260-31	BUTTON (PRESET)(4/INTRO)	
56	3-355-261-21	BUTTON (N1,S)(SENS)	
57	3-355-261-31	BUTTON (N1,S)(M.SCAN/A.MEM)	
58	3-355-260-01	BUTTON (PRESET)(1)	
59	3-355-260-11	BUTTON (PRESET)(2)	
60	3-355-260-21	BUTTON (PRESET)(3)	
61	3-355-261-11	BUTTON (N1,S)(FM)	
62	3-355-259-01	BUTTON (LOUD)	
63	3-355-258-01	BUTTON (LEVEL +)	
64	3-355-257-01	BUTTON (SELECT)	

No.	Part No.	Description	Remarks
65	3-355-256-01	BUTTON (LEVEL -)	
66	3-355-255-01	BUTTON (MUTE)	
67	3-355-263-11	BUTTON (M,S2)(SEEK/AMS)	
68	3-355-263-01	BUTTON (M,S2)(MANU)	
69	X-3362-009-1	PANEL ASSY, FRONT	
70	3-355-266-01	BUTTON (ILL)	
71	3-345-373-01	SHEET (DIFFUSION)	
72	*3-345-319-01	PLATE, LIGHT GUIDE	
73	*3-345-335-01	HOLDER (LCD)	
74	*3-355-272-01	PLATE (BUTTON), SHIELD	
75	7-685-103-19	SCREW +PTP 2X5 TYPE2 NON-SLIT	
904	*A-3219-239-A	PC BOARD ASSY, DISPLAY	
905	1-634-335-11	PC BOARD, (D) FLEXIBLE	
LCD801	1-808-983-11	DISPLAY PANEL, LIQUID CRYSTAL	

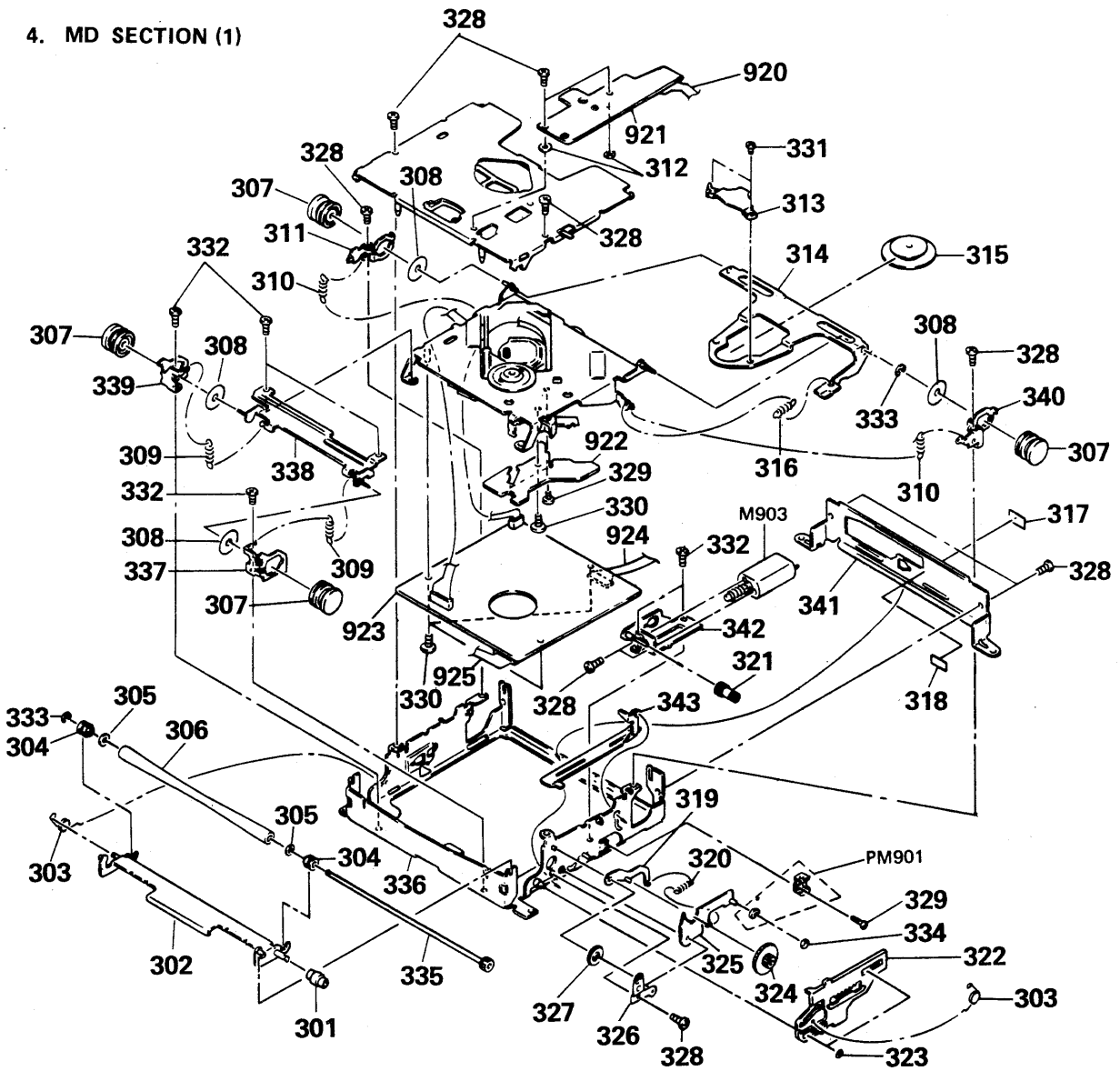
3. GENERAL SECTION (3)



No.	Part No.	Description	Remarks
101	*X-3339-432-1	CHASSIS ASSY	
102	*3-355-290-01	PANEL (S), BACK	
103	3-344-501-11	SCREW (+ PTT 3X8), GROUND POINT	
104	7-685-863-01	SCREW +PTT 2.6X8 (S)	

No.	Part No.	Description	Remarks
906	*A-3222-145-A	(US,Canadian)...PC BOARD ASSY, MAIN	
	*A-3222-146-A	(E).....PC BOARD ASSY, MAIN	
907	*1-634-328-13	PC BOARD, CONDENSOR	
908	1-574-339-11	CORD (WITH CONNECTOR)	
909	1-575-707-11	CORD (WITH CONNECTOR)	

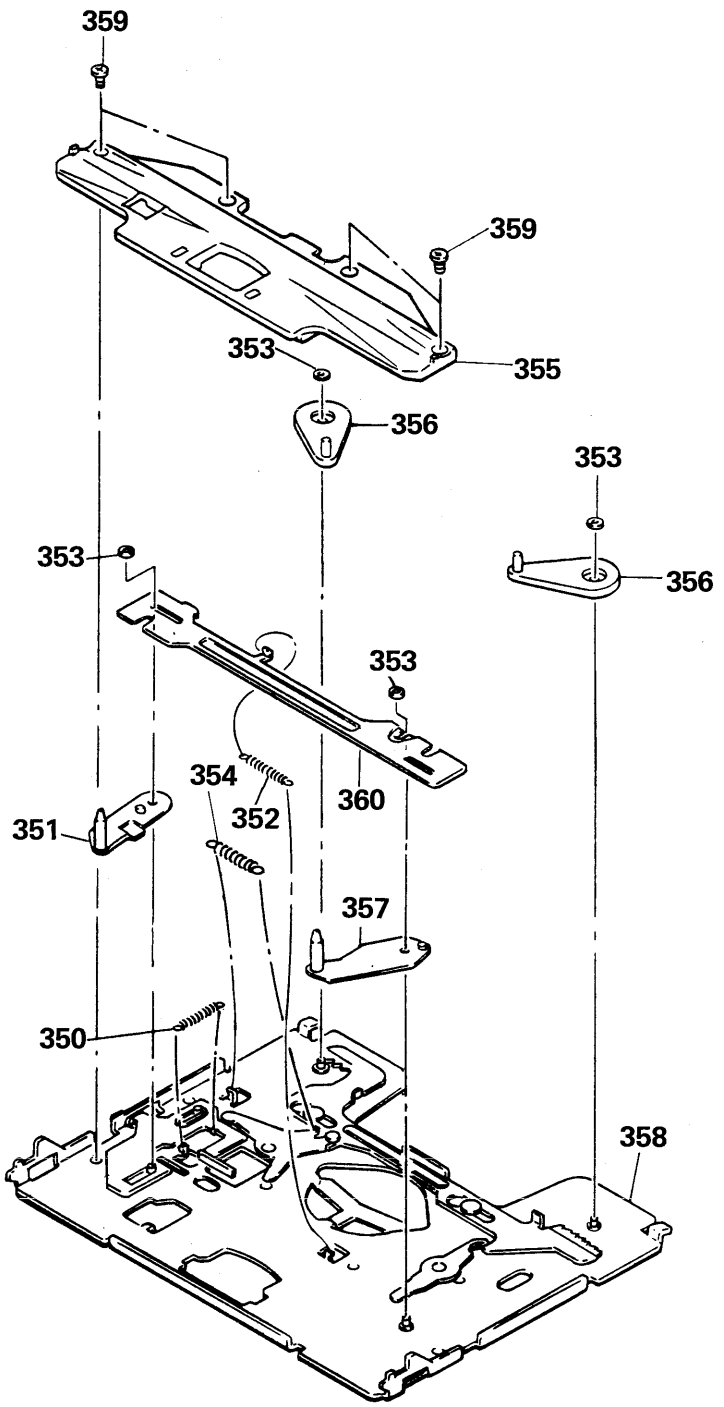
4. MD SECTION (1)



No.	Part No.	Description	Remarks
301	3-351-495-01	SLEEVE (2)	
302	*X-3351-422-1	BRACKET (ROLLER) ASSY	
303	3-351-437-01	SPRING (ROLLER)	
304	3-351-416-01	BEARING (ROLLER SHAFT)	
305	3-701-438-21	WASHER	
306	3-323-231-11	ROLLER (LOWER)	
307	3-330-929-11	DAMPER (S), HYPER	
308	3-323-263-01	WASHER, TEFLON	
309	3-351-444-01	SPRING (FLOATING A, B), TENSION	
310	3-351-445-01	SPRING (FLOATING C, D), TENSION	
311	*3-351-411-01	BRACKET (DAMPER D)	
312	3-892-464-01	SPACER, PC BOARD	
313	3-342-625-01	RETAINER (S2), THRUST	
314	*3-351-453-01	ARM, CHUCKING	
315	3-348-558-01	PLATE (F), CHUCK	
316	3-351-443-01	SPRING (CHUCKING), TENSION	
317	*3-351-470-01	SHEET, ADHESIVE	
318	*3-351-464-01	SHEET (SM), INSULATING	
319	*X-3351-420-1	LEVER (GEAR C) ASSY	
320	3-351-463-01	SPRING (SW LEVER 2), TENSION	
321	3-351-498-01	GEAR (B, WORM WHEEL)	
322	3-351-456-01	LEVER (L, E)	
323	3-578-224-00	WASHER	
324	3-351-438-01	GEAR, CAM	
325	*X-3351-421-1	LEVER (SW) ASSY	

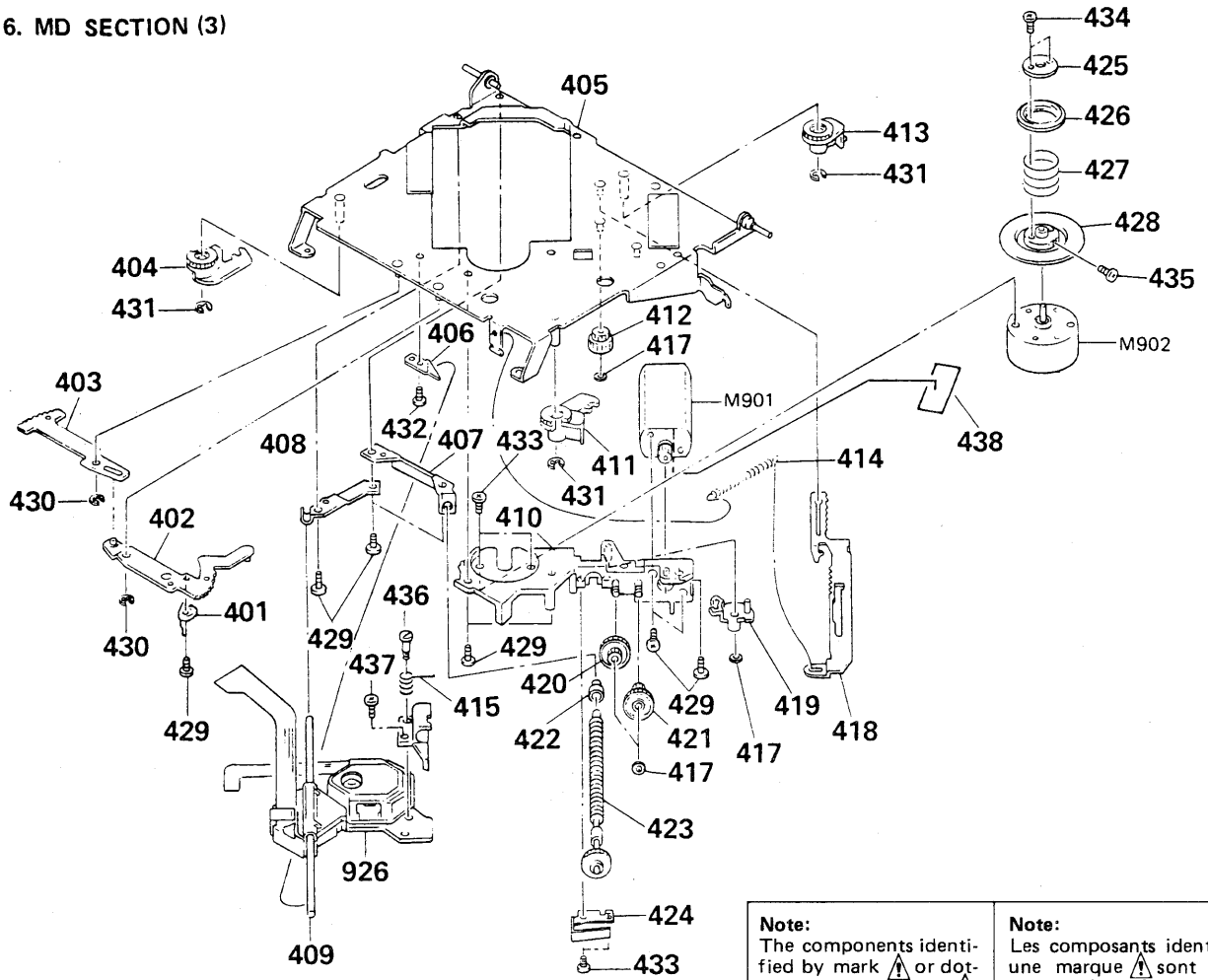
No.	Part No.	Description	Remarks
326	*3-351-482-01	RETAINER (SIDE GEAR 2)	
327	3-351-414-01	GEAR (C)	
328	7-627-553-37	SCREW, PRECISION +P 2X3	
329	7-627-850-57	SCREW, PRECISION +P 1.4X3.5	
330	7-621-772-08	SCREW +B 2X3	
331	7-627-552-18	SCREW, PRECISION +P 1.7X1.6	
332	7-627-553-28	SCREW, PRECISION +P 2X2.5	
333	7-624-104-04	STOP RING 2.0, TYPE -E	
334	3-315-384-11	WASHER, STOPPER	
335	X-3351-413-1	ROLLER, SHAFT ASSY	
336	*X-3351-417-2	CHASSIS (MAIN) ASSY	
337	*3-351-492-01	BRACKET (DUMPER A)	
338	*X-3351-423-1	BRACKET (F) ASSY	
339	*3-351-493-01	BRACKET (DUMPER B)	
340	*3-351-494-01	BRACKET (DUMPER C)	
341	*3-351-483-01	BRACKET (REAR A)	
342	*X-3351-419-1	BRACKET (M) ASSY	
343	*X-3351-418-1	LEVER (CH RELEASE) ASSY	
920	1-634-332-11	PC BOARD, (A) FLEXIBLE	
921	*1-634-331-11	PC BOARD, LED	
922	*1-634-330-11	PC BOARD, SENSOR	
923	*A-3279-978-A	MOUNTED PCB, RF	
924	1-634-333-11	PC BOARD, (B) FLEXIBLE	
925	1-634-334-11	PC BOARD, (C) FLEXIBLE	
M903	A-3249-535-A	GEAR (A) ASSY (LOADING)	
PM901	1-454-461-11	SOLENOID, PLUNGER	

5. MD SECTION (2)



No.	Part No.	Description	Remarks
350	3-351-448-01	SPRING (LOCK LEVER), TENSION	
351	*X-3351-426-1	LEVER (D DETECTION R2) ASSY	
352	3-351-447-02	SPRING (JOINT F), TENSION	
353	3-578-224-00	WASHER	
354	3-351-446-01	SPRING (JOINT R), TENSION	
355	3-351-496-01	GUIDE (DISK 2)	
356	3-351-432-01	GEAR (DS)	
357	*X-3351-425-1	LEVER (D DETECTION L2) ASSY	
358	*X-3351-424-1	CHASSIS (T2) ASSY	
359	7-627-553-37	SCREW, PRECISION +P 2X3	
360	*3-351-489-02	JOINT (F2)	

6. MD SECTION (3)



Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

No.	Part No.	Description	Remarks
401	*2-643-407-01	PLATE, SWITCH	
402	*X-2641-534-1	LEVER (A) ASSY, LOCK	
403	*2-641-582-01	LEVER (B), LOCK	
404	2-643-414-02	GEAR (B), LOCK	
405	*X-2641-536-2	CHASSIS ASSY, MAIN	
406	2-643-402-01	RETAINER (B), SHAFT	
407	2-643-403-01	RETAINER, FEED SCREW	
408	2-643-401-01	RETAINER (A), SHAFT	
409	2-640-632-01	SHAFT, GUIDE	
410	*X-2641-535-2	CHASSIS ASSY, SUB	
411	2-643-413-02	GEAR (A), LOCK	
412	2-643-405-01	WHEEL, WORM	
413	2-641-599-02	GEAR (C), GEAR	
414	2-641-595-02	SPRING, TENSION	
415	2-643-420-01	SPRING	
416	2-643-412-02	NUT, FEED	
417	3-321-813-01	WASHER, COTTER POLYETHYLENE	
418	*2-641-583-02	LEVER (C), LOCK	
419	2-643-406-02	LEVER, SELECTION	
420	2-643-410-01	GEAR (E)	

No.	Part No.	Description	Remarks
421	2-643-409-01	GEAR (D)	
422	2-643-408-02	RETAINER, THRUST	
423	A-4910-184-B	SCREW ASSY, FEED	
424	2-643-404-01	SPRING	
425	2-640-650-01	STOPPER, RING	
426	2-643-418-01	RING, CENTER	
427	2-640-617-02	SPRING, COMPRESSION	
428	X-2641-541-1	TURNTABLE ASSY	
429	7-627-554-18	SCREW, PRECISION +P 2X3.5 TYPE1	
430	7-624-104-04	STOP RING 2.0, TYPE -E	
431	7-624-106-04	STOP RING 3.0, TYPE -E	
432	7-627-553-17	PRECISION SCREW +P 2X2 TYPE 3	
433	7-627-552-08	SCREW, PRECISION +P 1.7X2.5	
434	7-627-451-17	SCREW, PRECISION +K 1.4X2.5	
435	7-627-451-57	SCREW, PRECISION +K 1.4X4	
436	2-643-423-01	SCREW, SP	
437	7-627-852-17	+P 1.7X4	
438	3-351-469-01	SHEET, MOTOR	
926	⚠ 8-848-124-11	DEVICE, OPTICAL KSS-168ARP	
M901	A-4910-183-A	MOTOR ASSY, SL (SLED)	
M902	1-541-448-41	MOTOR (SPINDLE)	

SECTION 7
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μF, PF: μμF.

RESISTORS
- All resistors are in ohms.
- F: nonflammable

COILS
- MMH: mH, UH: μH

SEMICONDUCTORS
In each case, U: μ, for example:
UA...: μA..., UPA...: μPA..., UPC...: μPC, UPD...: μPD...

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

(MAIN SECTION)

Ref.No.	Part No.	Description			
904	*A-3219-239-A	PC BOARD ASSY, DISPLAY			
906	*A-3222-145-A	(US,Canadian)...PC BOARD ASSY, MAIN			
	*A-3222-146-A	(E).....PC BOARD ASSY, MAIN			
907	*1-634-328-13	PC BOARD, CONDENSOR			
908	1-574-339-11	CORD (WITH CONNECTOR)			
909	1-575-707-11	CORD (WITH CONNECTOR)			
C101	1-136-165-00	FILM	0.1MF	5%	50V
C102	1-130-476-00	MYLAR	0.0027MF	5%	50V
C103	1-110-360-91	MYLAR	0.0056MF	5%	50V
C104	1-124-499-11	ELECT	1MF	20%	50V
C105	1-124-589-11	ELECT	47MF	20%	16V
C106	1-130-477-00	MYLAR	0.0033MF	5%	50V
C107	1-124-464-11	ELECT	0.22MF	20%	50V
C108	1-124-589-11	ELECT	47MF	20%	16V
C109	1-130-476-00	MYLAR	0.0027MF	5%	50V
C110	1-136-162-00	FILM	0.056MF	5%	50V
C111	1-136-162-00	FILM	0.056MF	5%	50V
C112	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C113	1-124-438-00	ELECT	1MF	20%	50V
C114	1-124-438-00	ELECT	1MF	20%	50V
C116	1-126-157-11	ELECT	10MF	20%	16V
C117	1-126-157-11	ELECT	10MF	20%	16V
C118	1-124-584-00	ELECT	100MF	20%	10V
C119	1-124-257-00	ELECT	2.2MF	20%	50V
C120	1-124-464-11	ELECT	0.22MF	20%	50V
C151	1-163-101-00	(US, Canadian)··CERAMIC	22PF	5%	50V
C201	1-136-165-00	FILM	0.1MF	5%	50V
C202	1-130-476-00	MYLAR	0.0027MF	5%	50V
C203	1-110-360-91	MYLAR	0.0056MF	5%	50V
C204	1-124-499-11	ELECT	1MF	20%	50V
C205	1-124-589-11	ELECT	47MF	20%	16V
C206	1-130-477-00	MYLAR	0.0033MF	5%	50V
C207	1-124-464-11	ELECT	0.22MF	20%	50V
C208	1-124-589-11	ELECT	47MF	20%	16V
C209	1-130-476-00	MYLAR	0.0027MF	5%	50V
C210	1-136-162-00	FILM	0.056MF	5%	50V
C211	1-136-162-00	FILM	0.056MF	5%	50V
C212	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C213	1-124-438-00	ELECT	1MF	20%	50V
C214	1-124-438-00	ELECT	1MF	20%	50V
C215	1-124-589-11	ELECT	47MF	20%	16V
C216	1-126-157-11	ELECT	10MF	20%	16V
C217	1-126-157-11	ELECT	10MF	20%	16V
C218	1-124-584-00	ELECT	100MF	20%	10V
C219	1-124-257-00	ELECT	2.2MF	20%	50V
C220	1-124-464-11	ELECT	0.22MF	20%	50V
C251	1-163-101-00	(US, Canadian)··CERAMIC	22PF	5%	50V

Ref.No.	Part No.	Description			
C304	1-163-097-00	CERAMIC CHIP	15PF	5%	50V
C305	1-163-097-00	CERAMIC CHIP	15PF	5%	50V
C306	1-124-589-11	ELECT	47MF	20%	16V
C307	1-124-589-11	ELECT	47MF	20%	16V
C308	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C309	1-163-119-00	CERAMIC CHIP	120PF	5%	50V
C310	1-124-584-00	ELECT	100MF	20%	10V
C311	1-124-584-00	ELECT	100MF	20%	10V
C401	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C402	1-124-584-00	ELECT	100MF	20%	10V
C403	1-126-157-11	ELECT	10MF	20%	16V
C404	1-124-464-11	ELECT	0.22MF	20%	50V
C405	1-124-589-11	ELECT	47MF	20%	16V
C406	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C407	1-126-154-11	ELECT	47MF	20%	6.3V
C408	1-126-154-11	ELECT	47MF	20%	6.3V
C409	1-124-360-00	ELECT	1000MF	20%	16V
C410	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C411	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C412	1-126-281-11	ELECT	4.7MF	20%	16V
C413	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C414	1-126-281-11	ELECT	4.7MF	20%	16V
C420	1-162-637-11	CERAMIC CHIP	0.47MF		16V
C501	1-126-247-11	ELECT	560MF	20%	6.3V
C502	1-126-927-11	ELECT	2200MF	20%	10V
C503	1-126-154-11	ELECT	47MF	20%	6.3V
C504	1-136-153-00	FILM	0.01MF	5%	50V
C505	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C506	1-126-176-11	ELECT	220MF	20%	10V
C507	1-126-154-11	ELECT	47MF	20%	6.3V
C508	1-126-154-11	ELECT	47MF	20%	6.3V
C509	1-125-559-11	DOUBLE LAYERS	0.047MF		5.5V
C510	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C511	1-126-767-51	ELECT	1000MF	20%	16V
C512	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C513	1-163-017-11	CERAMIC CHIP	0.0047MF	10%	50V
C514	1-163-101-00	CERAMIC CHIP	22PF	5%	50V
C601	1-124-257-00	ELECT	2.2MF	20%	50V
C602	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C603	1-124-257-00	ELECT	2.2MF	20%	50V
C604	1-136-165-00	FILM	0.1MF	5%	50V
C605	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C606	1-163-157-00	FILM	0.022MF	5%	50V
C607	1-126-566-11	ELECT	3.3MF	20%	25V
C608	1-126-566-11	ELECT	3.3MF	20%	25V
C609	1-124-589-11	ELECT	47MF	20%	16V

Ref.No.	Part No.	Description		
C610	1-163-037-11	CERAMIC CHIP 0.022MF	10%	25V
C611	1-163-037-11	CERAMIC CHIP 0.022MF	10%	25V
C612	1-124-589-11	ELECT 47MF	20%	16V
C613	1-126-281-11	ELECT 4.7MF	20%	16V
C614	1-126-560-61	ELECT 22MF	20%	10V
C615	1-130-477-00	MYLAR 0.0033MF	5%	50V
C616	1-163-157-00	FILM 0.022MF	5%	50V
C617	1-136-153-00	FILM 0.01MF	5%	50V
C618	1-130-474-00	MYLAR 0.0018MF	5%	50V
C619	1-126-281-11	ELECT 4.7MF	20%	16V
C620	1-124-438-00	ELECT 1MF	20%	50V
C621	1-124-464-11	ELECT 0.22MF	20%	50V
C622	1-124-438-00	ELECT 1MF	20%	50V
C623	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V
C624	1-163-117-00	CERAMIC CHIP 100PF	5%	50V
C625	1-163-037-11	CERAMIC CHIP 0.022MF	10%	25V
C626	1-126-154-11	ELECT 47MF	20%	6.3V
C627	1-136-155-00	(E).....FILM 0.015MF	5%	50V
C627	1-163-157-00	(US,Canadian) ...FILM 0.022MF	5%	50V
C628	1-136-155-00	(E).....FILM 0.015MF	5%	50V
C628	1-163-157-00	(US,Canadian) ...FILM 0.022MF	5%	50V
C629	1-163-097-00	CERAMIC CHIP 15PF	5%	50V
C630	1-163-097-00	CERAMIC CHIP 15PF	5%	50V
C801	1-163-201-00	CERAMIC CHIP 680PF	5%	50V
C802	1-162-637-11	CERAMIC CHIP 0.47MF		16V
C904	1-163-063-00	CERAMIC CHIP 0.022MF	10%	50V
C905	1-163-063-00	CERAMIC CHIP 0.022MF	10%	50V
C906	1-163-063-00	CERAMIC CHIP 0.022MF	10%	50V
C907	1-163-181-00	CERAMIC CHIP 100PF	5%	50V
C917	1-162-637-11	CERAMIC CHIP 0.47MF		
CNJ1	*1-569-582-11	SOCKET, CONNECTOR 17P		
CNJ2	*1-563-003-21	SOCKET, CONNECTOR 20P		
CNJ3	*1-569-630-11	SOCKET, CONNECTOR 9P		
CNJ4	1-566-531-11	CONNECTOR, FPC (ZIF) 15P		
CNJ5	1-566-531-11	CONNECTOR, FPC (ZIF) 15P		
CNP2	*1-506-984-11	PIN, CONNECTOR (PC BOARD) 2P		
CNP902	*1-569-581-11	PIN, CONNECTOR 17P		
CNP904	*1-566-006-11	PIN, CONNECTOR 9P		
CNP905	1-568-222-12	CONNECTOR (CONDENSER)		

Ref.No.	Part No.	Description
D101	8-719-109-72	DIODE RD3.9ES-B2
D102	8-719-109-72	DIODE RD3.9ES-B2
D103	8-719-109-75	DIODE RD4.3ES-B2
D201	8-719-109-72	DIODE RD3.9ES-B2
D202	8-719-109-72	DIODE RD3.9ES-B2
D203	8-719-109-75	DIODE RD4.3ES-B2
D301	8-719-109-75	DIODE RD4.3ES-B2
D401	8-719-200-02	DIODE 10E2
D402	8-719-120-75	DIODE RD6.2ES-L1
D403	8-719-110-46	DIODE RD16ES-B3
D404	8-719-120-75	DIODE RD6.2ES-L1
D405	8-719-911-19	DIODE 1SS119
D406	8-719-110-13	DIODE RD9.1ES-B2
D407	8-719-110-09	DIODE RD8.2ES-B3
D408	8-719-911-19	DIODE 1SS119
D409	8-719-911-19	DIODE 1SS119
D410	8-719-110-14	DIODE RD9.1ES-B3
D411	8-719-110-13	DIODE RD9.1ES-B2
D412	8-719-120-75	DIODE RD6.2ES-L1
D413	8-719-104-34	DIODE 1S2836
D414	8-719-109-89	DIODE RD5.6ES-B2
D416	8-719-400-18	DIODE MA152WK
D501	8-719-911-19	DIODE 1SS119
D502	8-719-911-19	DIODE 1SS119
D503	8-719-911-19	DIODE 1SS119
D504	8-719-911-19	DIODE 1SS119
D505	8-719-400-18	DIODE MA152WK
D506	8-719-110-13	DIODE RD9.1ES-B2
D507	8-719-911-19	DIODE 1SS119
D509	8-719-911-19	DIODE 1SS119
D510	8-719-911-19	DIODE 1SS119
D511	8-719-911-19	DIODE 1SS119
D601	8-719-800-76	DIODE 1SS226
D602	8-719-104-34	DIODE 1S2836
D603	8-719-911-19	DIODE 1SS119
D604	8-719-911-19	DIODE 1SS119
D801	8-719-975-27	DIODE CL-55Y/PG-D
D802	8-719-975-27	DIODE CL-55Y/PG-D
D803	8-719-975-27	DIODE CL-55Y/PG-D
D804	8-719-975-27	DIODE CL-55Y/PG-D
D805	8-719-975-27	DIODE CL-55Y/PG-D
D806	8-719-975-27	DIODE CL-55Y/PG-D
D807	8-719-975-27	DIODE CL-55Y/PG-D
D808	8-719-975-27	DIODE CL-55Y/PG-D
D809	8-719-975-27	DIODE CL-55Y/PG-D
D810	8-719-975-27	DIODE CL-55Y/PG-D
D811	8-719-975-27	DIODE CL-55Y/PG-D

Ref.No.	Part No.	Description
D812	8-719-975-27	DIODE CL-55Y/PG-D
D813	8-719-975-27	DIODE CL-55Y/PG-D
D814	8-719-975-27	DIODE CL-55Y/PG-D
D815	8-719-975-27	DIODE CL-55Y/PG-D
D816	8-719-975-27	DIODE CL-55Y/PG-D
D817	8-719-975-27	DIODE CL-55Y/PG-D
D818	8-719-975-27	DIODE CL-55Y/PG-D
D819	8-719-975-27	DIODE CL-55Y/PG-D
D820	8-719-975-27	DIODE CL-55Y/PG-D
D821	8-719-975-27	DIODE CL-55Y/PG-D
D822	8-719-975-27	DIODE CL-55Y/PG-D
D823	8-719-975-27	DIODE CL-55Y/PG-D
D824	8-719-975-27	DIODE CL-55Y/PG-D
D825	8-719-975-27	DIODE CL-55Y/PG-D
D826	8-719-975-27	DIODE CL-55Y/PG-D
D827	8-719-975-27	DIODE CL-55Y/PG-D
D828	8-719-975-27	DIODE CL-55Y/PG-D
D829	8-719-400-18	DIODE MA152WK
D902	8-719-109-89	DIODE RD5.6ES-B2
FE601	1-465-140-11	TUNER UNIT
HIC601	1-808-515-11	(E)·····IC NMX3S900
HIC601	1-808-516-11	(US, Canadian)··IC NMX3S920
IC101	8-759-909-71	IC BA4558F
IC102	8-759-909-71	IC BA4558F
IC103	8-759-909-71	IC BA4558F
IC104	8-759-909-71	IC BA4558F
IC201	8-759-909-71	IC BA4558F
IC202	8-759-909-71	IC BA4558F
IC203	8-759-909-71	IC BA4558F
IC204	8-759-909-71	IC BA4558F
IC301	8-759-501-31	IC SM5840CS
IC302	8-759-909-71	IC BA4558F
IC303	8-759-932-64	IC BU4052BF
IC304	8-759-820-15	IC LC7537AN
IC305	8-759-631-00	IC M5280FP
IC306	8-759-822-61	IC LC78820M
IC401	8-759-982-07	IC RC7808FA
IC402	8-759-982-31	IC RC78M05FA
IC501	8-759-149-70	IC UPD75516GF-107-3B9
IC502	8-759-937-86	IC BU4081BF
IC503	8-759-802-76	IC LB1645N
IC504	8-759-940-45	IC S-8054HN-CB
IC601	8-759-821-43	IC LC7218M
IC801	8-759-821-44	IC LC7582
JR501	1-216-295-00	(E)...METAL GLAZE 0 5% 1/10W
L401	1-408-419-00	INDUCTOR 68UH
L501	1-408-424-00	INDUCTOR 180UH
L502	1-408-424-00	INDUCTOR 180UH
L503	1-408-424-00	INDUCTOR 180UH
L601	1-410-513-11	INDUCTOR 22UH
PL801	1-518-524-11	LAMP, PILOT
PL802	1-518-646-11	LAMP, PILOT
PL803	1-518-524-11	LAMP, PILOT
PL804	1-518-646-11	LAMP, PILOT
Q101	8-729-920-21	TRANSISTOR DTC314TKH04
Q102	8-729-920-21	TRANSISTOR DTC314TKH04
Q201	8-729-920-21	TRANSISTOR DTC314TKH04

Ref.No.	Part No.	Description
Q202	8-729-920-21	TRANSISTOR DTC314TKH04
Q401	8-729-901-01	TRANSISTOR DTC144EK
Q402	8-729-901-78	TRANSISTOR 2SC2412K-R
Q403	8-729-901-01	TRANSISTOR DTC144EK
Q404	8-729-901-78	TRANSISTOR 2SC2412K-R
Q405	8-729-106-60	TRANSISTOR 2SB1115A
Q406	8-729-901-00	TRANSISTOR DTC124EK
Q407	8-729-921-48	TRANSISTOR 2SD1760F5-Q
Q408	8-729-106-60	TRANSISTOR 2SB1115A
Q409	8-729-901-00	TRANSISTOR DTC124EK
Q410	8-729-921-48	TRANSISTOR 2SD1760F5-Q
Q411	8-729-901-05	TRANSISTOR DTA124EK
Q412	8-729-901-00	TRANSISTOR DTC124EK
Q413	8-729-901-78	TRANSISTOR 2SC2412K-R
Q414	8-729-922-47	TRANSISTOR 2SB1184-F5-R
Q415	8-729-901-00	TRANSISTOR DTC124EK
Q416	8-729-106-60	TRANSISTOR 2SB1115A
Q417	8-729-901-00	TRANSISTOR DTC124EK
Q418	8-729-921-48	TRANSISTOR 2SD1760F5-Q
Q419	8-729-903-63	TRANSISTOR 2SD1664-R
Q420	8-729-922-47	TRANSISTOR 2SB1184-F5-R
Q421	8-729-901-00	TRANSISTOR DTC124EK
Q422	8-729-901-78	TRANSISTOR 2SC2412K-R
Q423	8-729-903-63	TRANSISTOR 2SD1664-R
Q424	8-729-901-05	TRANSISTOR DTA124EK
Q425	8-729-901-00	TRANSISTOR DTC124EK
Q428	8-729-922-47	TRANSISTOR 2SB1184-F5-R
Q429	8-729-106-60	TRANSISTOR 2SB1115A
Q430	8-729-901-00	TRANSISTOR DTC124EK
Q501	8-729-901-78	TRANSISTOR 2SC2412K-R
Q502	8-729-901-78	TRANSISTOR 2SC2412K-R
Q503	8-729-900-53	TRANSISTOR DTC114EK
Q504	8-729-922-94	TRANSISTOR DTC143TU
Q505	8-729-900-53	TRANSISTOR DTC114EK
Q601	8-729-901-05	TRANSISTOR DTA124EK
Q602	8-729-901-78	TRANSISTOR 2SC2412K-R
Q603	8-729-901-78	TRANSISTOR 2SC2412K-R
Q604	8-729-901-78	TRANSISTOR 2SC2412K-R
Q605	8-729-901-78	TRANSISTOR 2SC2412K-R
Q606	8-729-106-60	TRANSISTOR 2SB1115A
Q607	8-729-106-60	TRANSISTOR 2SB1115A
Q609	8-729-901-78	TRANSISTOR 2SC2412K-R
Q801	8-729-904-66	TRANSISTOR DTD113EK
Q802	8-729-904-66	TRANSISTOR DTD113EK
Q803	8-729-904-66	TRANSISTOR DTD113EK
Q804	8-729-904-66	TRANSISTOR DTD113EK
R101	1-216-286-00	METAL GLAZE 4.7M 5% 1/8W
R102	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W
R103	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W
R104	1-216-073-00	METAL GLAZE 10K 5% 1/10W
R105	1-216-073-00	METAL GLAZE 10K 5% 1/10W
R106	1-216-089-00	METAL GLAZE 47K 5% 1/10W
R107	1-216-073-00	METAL GLAZE 10K 5% 1/10W

Ref.No.	Part No.	Description			
R108	1-216-079-00	(US,Canadian)			
		...METAL GLAZE	18K	5%	1/10W
R108	1-216-085-00	(E)...METAL GLAZE	33K	5%	1/10W
R109	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R110	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R111	1-216-121-00	METAL GLAZE	1M	5%	1/10W
R112	1-216-121-00	METAL GLAZE	1M	5%	1/10W
R113	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R114	1-216-077-00	METAL GLAZE	15K	5%	1/10W
R115	1-216-121-00	METAL GLAZE	1M	5%	1/10W
R116	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R117	1-216-083-00	METAL GLAZE	27K	5%	1/10W
R118	1-216-121-00	METAL GLAZE	1M	5%	1/10W
R119	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R120	1-216-083-00	METAL GLAZE	27K	5%	1/10W
R121	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R122	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R123	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R124	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R125	1-216-041-00	METAL GLAZE	470	5%	1/10W
R201	1-216-286-00	METAL GLAZE	4.7M	5%	1/8W
R202	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R203	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R204	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R205	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R206	1-216-089-00	METAL GLAZE	47K	5%	1/10W
R207	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R208	1-216-079-00	(US,Canadian)			
		...METAL GLAZE	18K	5%	1/10W
R208	1-216-085-00	(E)...METAL GLAZE	33K	5%	1/10W
R209	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R210	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R211	1-216-121-00	METAL GLAZE	1M	5%	1/10W
R212	1-216-121-00	METAL GLAZE	1M	5%	1/10W
R213	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R214	1-216-077-00	METAL GLAZE	15K	5%	1/10W
R215	1-216-121-00	METAL GLAZE	1M	5%	1/10W
R216	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R217	1-216-083-00	METAL GLAZE	27K	5%	1/10W
R218	1-216-121-00	METAL GLAZE	1M	5%	1/10W
R219	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R220	1-216-083-00	METAL GLAZE	27K	5%	1/10W
R221	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R222	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R223	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R224	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R225	1-216-041-00	METAL GLAZE	470	5%	1/10W
R304	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R305	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R306	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R307	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R308	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W
R309	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R401	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R402	1-216-105-00	METAL GLAZE	220K	5%	1/10W
R403	1-216-089-00	METAL GLAZE	47K	5%	1/10W
R404	1-216-089-00	METAL GLAZE	47K	5%	1/10W

Ref.No.	Part No.	Description			
R405	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R406	1-216-089-00	METAL GLAZE	47K	5%	1/10W
R407	1-216-206-00	METAL GLAZE	2.2K	5%	1/8W
R408	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R409	1-216-206-00	METAL GLAZE	2.2K	5%	1/8W
R410	1-216-035-00	METAL GLAZE	270	5%	1/10W
R411	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W
R412	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R413	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W
R414	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W
R415	1-216-206-00	METAL GLAZE	2.2K	5%	1/8W.
R416	1-216-206-00	METAL GLAZE	2.2K	5%	1/8W
R417	1-216-091-00	METAL GLAZE	56K	5%	1/10W
R418	1-216-075-00	METAL GLAZE	12K	5%	1/10W
R419	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R420	1-216-206-00	METAL GLAZE	2.2K	5%	1/8W
R421	1-216-206-00	METAL GLAZE	2.2K	5%	1/8W
R422	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R423	1-216-206-00	METAL GLAZE	2.2K	5%	1/8W
R424	1-216-206-00	METAL GLAZE	2.2K	5%	1/8W
R425	1-216-035-00	METAL GLAZE	270	5%	1/10W
R426	1-216-035-00	METAL GLAZE	270	5%	1/10W
R427	1-216-194-00	METAL GLAZE	680	5%	1/8W
R428	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W
R429	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R430	1-216-206-00	METAL GLAZE	2.2K	5%	1/8W
R431	1-216-206-00	METAL GLAZE	2.2K	5%	1/8W
R432	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R434	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W
R436	1-216-194-00	METAL GLAZE	680	5%	1/8W
R438	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R439	1-216-200-00	METAL GLAZE	1.2K	5%	1/8W
R440	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R441	1-249-331-11	CARBON MELF	470	5%	1/8W
R501	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R502	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R503	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R504	1-216-089-00	METAL GLAZE	47K	5%	1/10W
R505	1-216-089-00	METAL GLAZE	47K	5%	1/10W
R506	1-216-089-00	METAL GLAZE	47K	5%	1/10W
R507	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R508	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R509	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R510	1-216-089-00	METAL GLAZE	47K	5%	1/10W
R511	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R512	1-216-105-00	METAL GLAZE	220K	5%	1/10W
R513	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R514	1-216-105-00	METAL GLAZE	220K	5%	1/10W
R515	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R516	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R517	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R518	1-216-035-00	METAL GLAZE	270	5%	1/10W
R519	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R520	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R521	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R522	1-216-097-00	METAL GLAZE	100K	5%	1/10W

Ref.No.	Part No.	Description			
R523	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R524	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R525	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R526	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R528	1-216-001-00	METAL GLAZE	10	5%	1/10W
R529	1-216-027-00	METAL GLAZE	120	5%	1/10W
R530	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R531	1-216-089-00	METAL GLAZE	47K	5%	1/10W
R532	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R533	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R601	1-216-045-00	(E)...METAL GLAZE	680	5%	1/10W
R601	1-216-049-00	(US,Canadian) ...METAL GLAZE	1K	5%	1/10W
R602	1-216-043-00	METAL GLAZE	560	5%	1/10W
R603	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R604	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R605	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R606	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R607	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R608	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R609	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R610	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W
R611	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R612	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R613	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W
R614	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R615	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W
R616	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W
R617	1-216-089-00	METAL GLAZE	47K	5%	1/10W
R618	1-216-080-00	METAL GLAZE	20K	5%	1/10W
R619	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W
R620	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R621	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R622	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W
R623	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R624	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R625	1-216-214-00	METAL GLAZE	4.7K	5%	1/8W
R626	1-216-079-00	METAL GLAZE	18K	5%	1/10W
R627	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R628	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R629	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R801	1-216-239-00	METAL GLAZE	51K	5%	1/8W
R802	1-216-262-00	METAL GLAZE	470K	5%	1/8W
R803	1-216-198-00	METAL GLAZE	1K	5%	1/8W
R804	1-216-182-00	METAL GLAZE	220	5%	1/8W

Ref.No.	Part No.	Description			
R805	1-216-178-00	METAL GLAZE	150	5%	1/8W
R806	1-216-188-00	METAL GLAZE	390	5%	1/8W
R807	1-216-184-00	METAL GLAZE	270	5%	1/8W
R808	1-216-182-00	METAL GLAZE	220	5%	1/8W
R809	1-216-178-00	METAL GLAZE	150	5%	1/8W
R810	1-216-182-00	METAL GLAZE	220	5%	1/8W
R811	1-216-178-00	METAL GLAZE	150	5%	1/8W
R812	1-216-182-00	METAL GLAZE	220	5%	1/8W
R813	1-216-178-00	METAL GLAZE	150	5%	1/8W
R814	1-216-182-00	METAL GLAZE	220	5%	1/8W
R815	1-216-178-00	METAL GLAZE	150	5%	1/8W
R816	1-216-188-00	METAL GLAZE	390	5%	1/8W
R817	1-216-184-00	METAL GLAZE	270	5%	1/8W
R818	1-216-182-00	METAL GLAZE	220	5%	1/8W
R819	1-216-178-00	METAL GLAZE	150	5%	1/8W
R820	1-216-182-00	METAL GLAZE	220	5%	1/8W
R821	1-216-178-00	METAL GLAZE	150	5%	1/8W
R822	1-216-182-00	METAL GLAZE	220	5%	1/8W
R823	1-216-178-00	METAL GLAZE	150	5%	1/8W
R902	1-216-198-00	METAL GLAZE	1K	5%	1/8W
RV601	1-238-207-11	RES, ADJ, METAL GLAZE 100K			
RV602	1-238-204-11	RES, ADJ, METAL GLAZE 10K			
SW501	1-553-510-00	SWITCH, SLIDE			
SW502	1-553-510-00	(E)...SWITCH, SLIDE			
SW801	1-554-813-41	SWITCH, KEY BOARD (MUTE)			
SW802	1-554-813-41	SWITCH, KEY BOARD (-)			
SW803	1-554-813-41	SWITCH, KEY BOARD (SELECT)			
SW804	1-554-813-41	SWITCH, KEY BOARD (+)			
SW805	1-554-813-41	SWITCH, KEY BOARD (LOUD)			
SW806	1-554-813-41	SWITCH, KEY BOARD (SENS)			
SW807	1-571-938-21	SWITCH, KEY BOARD (ILL)			
SW809	1-554-813-41	SWITCH, KEY BOARD (MANU -)			
SW810	1-554-813-41	SWITCH, KEY BOARD (MANU +)			
SW811	1-554-813-41	SWITCH, KEY BOARD (SEEK -)			
SW812	1-554-813-41	SWITCH, KEY BOARD (SEEK +)			
SW813	1-554-813-41	SWITCH, KEY BOARD (3)			
SW814	1-554-813-41	SWITCH, KEY BOARD (4)			
SW815	1-554-813-41	SWITCH, KEY BOARD (5)			
SW816	1-554-813-41	SWITCH, KEY BOARD (6)			
SW817	1-554-813-41	SWITCH, KEY BOARD (▲)			
SW818	1-554-813-41	SWITCH, KEY BOARD (M.SCAN)			
SW819	1-554-813-41	SWITCH, KEY BOARD (1)			
SW820	1-554-813-41	SWITCH, KEY BOARD (2)			
SW821	1-554-813-41	SWITCH, KEY BOARD (OFF)			
SW822	1-554-813-41	SWITCH, KEY BOARD (FM)			
SW823	1-554-813-41	SWITCH, KEY BOARD (AM)			
SW824	1-554-813-41	SWITCH, KEY BOARD (CD)			
SW825	1-571-938-21	SWITCH, KEY BOARD (RESET)			

Ref.No.	Part No.	Description
TH501	1-808-656-11	THERMISTOR
X301	1-567-820-11	VIBRATOR, CRYSTAL (16MHz)
X501	1-567-775-11	VIBRATOR, CERAMIC (4.19MHz)
X601	1-567-250-11	OSCILLATOR, CERAMIC (4.56MHz)
X602	1-567-848-11	VIBRATOR, CRYSTAL (7.2MHz)

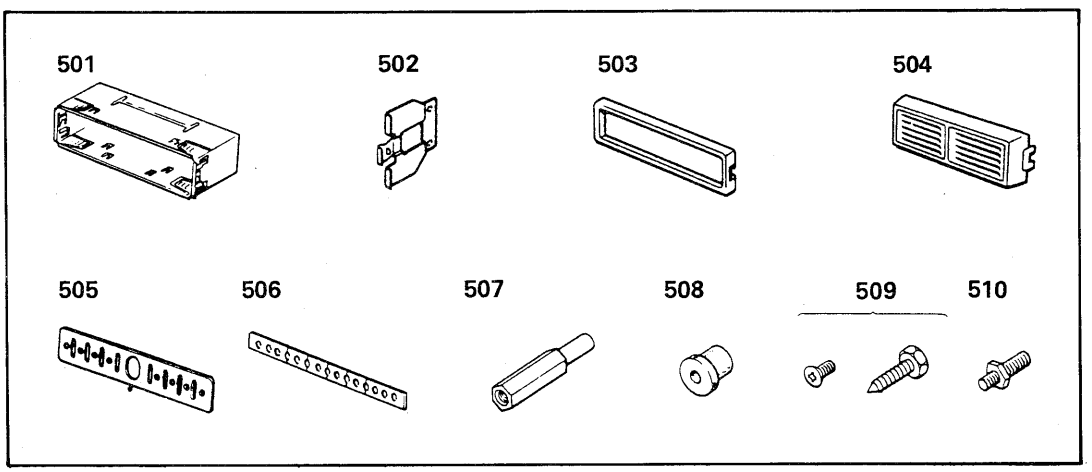
ACCESSORY & PACKING MATERIAL

1-574-485-11	CORD (WITH CONNECTOR)
3-323-219-01	FRAME, FITTING
3-336-617-01	BAG, PROTECTION
3-355-210-01	COVER (2), PIN JACK
*3-362-555-01	INDIVIDUAL CARTON
*3-360-102-01	CUSHION (UPPER)
*3-360-103-01	CUSHION (LOWER)
3-752-146-11	(E).....MANUAL, INSTRUCTION (ENGLISH, FRENCH, CHINESE)
3-752-146-21	(US,Canadian)...MANUAL, INSTRUCTION (ENGLISH, FRENCH)
3-752-147-11	(E).....MANUAL, INSTRUCTION (ENGLISH, FRENCH, CHINESE)
3-752-147-21	(US,Canadian)...MANUAL, INSTRUCTION (ENGLISH, FRENCH)

MOUNTING HARDWARE

No.	Part No.	Descrition
501	3-323-219-01	FRAME, FITTING
502	3-339-403-01	SPRING
503	3-339-416-01	COLLAR
504	3-339-417-01	COVER
505	3-323-217-01	HOLDER, BUSHING
506	3-310-655-01	SUPPORT (ND), FITTING
507	3-323-210-01	ADJUSTOR, STUD BOLT
508	3-349-410-01	BUSHING
509	X-3320-524-1	SCREW ASSY (A)
510	3-323-209-01	BOLT (4-5), STUD

SUPPLIED MOUNTING HARDWARE



(MD SECTION)

Ref.No.	Part No.	Description		
905	1-634-335-11	PC BOARD, (D) FLEXIBLE		
907	*1-634-327-11	PC BOARD, CONNECTOR		
920	1-634-332-11	PC BOARD, (A) FLEXIBLE		
921	*1-634-331-11	PC BOARD, LED		
922	*1-634-330-11	PC BOARD, SENSOR		
923	*A-3279-978-A	MOUNTED PCB, RF		
924	1-634-333-11	PC BOARD, (B) FLEXIBLE		
925	1-634-334-11	PC BOARD, (C) FLEXIBLE		
926	⚠8-848-124-11	DEVICE, OPTICAL KSS-168ARP		
C1	1-135-166-21	TANTAL. CHIP 47MF	20%	6.3V
C2	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
C3	1-126-599-11	ELECT 330MF	20%	6.3V
C4	1-163-989-11	CERAMIC CHIP 0.033MF	10%	25V
C5	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V
C6	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V
C7	1-163-078-11	CERAMIC CHIP 0.033MF	10%	25V
C8	1-163-059-00	CERAMIC CHIP 0.01MF	10%	50V
C9	1-126-593-11	ELECT CHIP 0.47MF	20%	50V
C10	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
C11	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
C12	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
C13	1-126-593-11	ELECT CHIP 0.47MF	20%	50V
C14	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C15	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V
C16	1-126-590-11	ELECT CHIP 22MF	20%	4V
C17	1-163-017-00	CERAMIC CHIP 0.0047MF	10%	50V
C18	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C19	1-163-989-11	CERAMIC CHIP 0.033MF	10%	25V
C20	1-126-592-11	ELECT CHIP 4.7MF	20%	16V
C21	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C22	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C23	1-126-591-11	ELECT CHIP 10MF	20%	6.3V
C24	1-126-594-11	ELECT CHIP 1MF	20%	50V
C25	1-126-594-11	ELECT CHIP 1MF	20%	50V
C26	1-163-077-00	CERAMIC CHIP 0.1MF	10%	25V
C27	1-163-077-00	CERAMIC CHIP 0.1MF	10%	25V
C29	1-126-590-11	ELECT CHIP 22MF	20%	4V
C30	1-126-590-11	ELECT CHIP 22MF	20%	4V
C31	1-126-590-11	ELECT CHIP 22MF	20%	4V
C34	1-163-809-11	CERAMIC CHIP 0.047MF	10%	25V
C35	1-163-017-00	CERAMIC CHIP 0.0047MF	10%	50V
C36	1-126-592-11	ELECT CHIP 4.7MF	20%	16V
C37	1-126-591-11	ELECT CHIP 10MF	20%	6.3V
C38	1-162-638-11	CERAMIC CHIP 1MF		16V
C39	1-162-638-11	CERAMIC CHIP 1MF		16V
C40	1-126-176-11	ELECT 220MF	20%	10V

Ref.No.	Part No.	Description			
CNJ11	1-568-141-11	HOUSING, CONNECTOR 5P			
CNJ12	1-568-142-11	HOUSING, CONNECTOR 13P			
CNJ13	1-566-531-11	CONNECTOR, FPC (ZIF) 15P			
CNJ14	1-566-531-11	CONNECTOR, FPC (ZIF) 15P			
CNP10	*1-506-990-11	PIN, CONNECTOR (PC BOARD) 8P			
D80	8-719-404-19	DIODE LN1251C			
D81	8-719-404-19	DIODE LN1251C			
D82	8-719-404-19	DIODE LN1251C			
IC1	8-752-033-14	IC CXA1081Q			
IC2	8-752-037-50	IC CXA1082BQ			
IC3	8-752-334-28	IC CXD1167Q			
IC4	8-759-821-76	IC LA6533			
IC5	8-759-821-76	IC LA6533			
JR1	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR2	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR3	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR4	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR5	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR6	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR7	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR8	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR9	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR10	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR11	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR12	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR13	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR14	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR15	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR16	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR17	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR18	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR19	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR20	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR21	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR22	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR23	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR24	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR25	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR26	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR27	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR28	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR29	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR30	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR31	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR32	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR33	1-216-296-00	METAL GLAZE	0	5%	1/8W

Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description			
JR34	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR51	1-216-295-00	METAL GLAZE	0	5%	1/10W
JR52	1-216-295-00	METAL GLAZE	0	5%	1/10W
JR53	1-216-295-00	METAL GLAZE	0	5%	1/10W
JR54	1-216-295-00	METAL GLAZE	0	5%	1/10W
JR55	1-216-295-00	METAL GLAZE	0	5%	1/10W
JR56	1-216-295-00	METAL GLAZE	0	5%	1/10W
JR57	1-216-295-00	METAL GLAZE	0	5%	1/10W
JR58	1-216-295-00	METAL GLAZE	0	5%	1/10W
JR59	1-216-295-00	METAL GLAZE	0	5%	1/10W
JR60	1-216-295-00	METAL GLAZE	0	5%	1/10W
JR61	1-216-295-00	METAL GLAZE	0	5%	1/10W
JR62	1-216-295-00	METAL GLAZE	0	5%	1/10W
JR63	1-216-295-00	METAL GLAZE	0	5%	1/10W
JR64	1-216-295-00	METAL GLAZE	0	5%	1/10W
JR65	1-216-295-00	METAL GLAZE	0	5%	1/10W
JR90	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR91	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR92	1-216-296-00	METAL GLAZE	0	5%	1/8W
L1	1-410-204-31	INDUCTOR CHIP 10UH			
L2	1-410-198-51	INDUCTOR CHIP 3.3UH			
LCD801	1-808-983-11	DISPLAY PANEL, LIQUID CRYSTAL			
M901	A-4910-183-A	MOTOR ASSY, SL (SLED)			
M902	1-541-448-41	MOTOR (SPINDLE)			
M903	A-3249-535-A	GEAR (A) ASSY (LOADING)			
PM901	1-454-461-11	SOLENOID, PLUNGER			
Q1	8-729-900-53	TRANSISTOR DTC114EK			
Q2	8-729-900-53	TRANSISTOR DTC114EK			
Q3	8-729-900-53	TRANSISTOR DTC114EK			
Q4	8-729-141-48	TRANSISTOR 2SB624-BV345			
Q90	8-729-402-08	TRANSISTOR PN147-LF			
Q91	8-729-402-08	TRANSISTOR PN147-LF			
Q92	8-729-402-08	TRANSISTOR PN147-LF			
R1	1-216-150-00	METAL GLAZE	10	5%	1/8W
R2	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R3	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R4	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R5	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R6	1-216-206-00	METAL GLAZE	2.2K	5%	1/8W
R7	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R8	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R9	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R10	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R11	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R12	1-216-103-00	METAL GLAZE	180K	5%	1/10W
R13	1-216-121-00	METAL GLAZE	1M	5%	1/10W
R14	1-216-105-00	METAL GLAZE	220K	5%	1/10W
R15	1-216-085-00	METAL GLAZE	33K	5%	1/10W
R16	1-216-085-00	METAL GLAZE	33K	5%	1/10W
R17	1-216-085-00	METAL GLAZE	33K	5%	1/10W
R18	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R19	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R20	1-216-085-00	METAL GLAZE	33K	5%	1/10W
R21	1-216-085-00	METAL GLAZE	33K	5%	1/10W

Ref.No.	Part No.	Description			
R22	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R23	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R24	1-216-103-00	METAL GLAZE	180K	5%	1/10W
R25	1-216-210-00	METAL GLAZE	3.3K	5%	1/8W
R26	1-216-085-00	METAL GLAZE	33K	5%	1/10W
R27	1-216-085-00	METAL GLAZE	33K	5%	1/10W
R28	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R29	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R30	1-216-085-00	METAL GLAZE	33K	5%	1/10W
R31	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R32	1-216-076-00	METAL GLAZE	13K	5%	1/10W
R33	1-216-076-00	METAL GLAZE	13K	5%	1/10W
R34	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W
R35	1-216-114-00	METAL GLAZE	510K	5%	1/10W
R36	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W
R37	1-216-103-00	METAL GLAZE	180K	5%	1/10W
R38	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R39	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R40	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R41	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R42	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R43	1-216-198-00	METAL GLAZE	1K	5%	1/8W
R44	1-216-198-00	METAL GLAZE	1K	5%	1/8W
R45	1-216-198-00	METAL GLAZE	1K	5%	1/8W
R46	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R47	1-216-229-00	METAL GLAZE	20K	5%	1/8W
R48	1-216-220-00	METAL GLAZE	8.2K	5%	1/8W
R49	1-216-246-00	METAL GLAZE	100K	5%	1/8W
R50	1-216-085-00	METAL GLAZE	33K	5%	1/10W
R51	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R52	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R53	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R54	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R55	1-216-024-00	METAL GLAZE	91	5%	1/10W
RV1	1-238-205-	RES, ADJ, METAL GLAZE 22K			
RV2	1-238-206-11	RES, ADJ, METAL GLAZE 47K			
RV3	1-238-665-11	RES, ADJ, CERMET 22K			
RV4	1-238-665-11	RES, ADJ, CERMET 22K			
RV5	1-238-662-11	RES, ADJ, CERMET 2.2K			
SW80	1-571-754-11	SWITCH, PUSH (1 KEY)			
SW81	1-571-754-11	SWITCH, PUSH (1 KEY)			
SW90	1-554-938-11	SWITCH, LEAF			
SW91	1-554-938-11	SWITCH, LEAF			
TH1	1-808-656-11	THERMISTOR			
TH2	1-808-656-11	THERMISTOR			

9-955-987-11

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SONY®
SERVICE MANUAL

US Model
Canadian Model
E Model

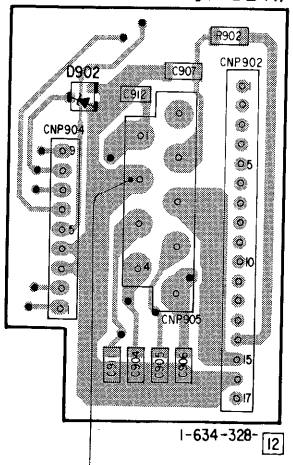
Serial No. 100,001 – 104,800

SUPPLEMENT-1

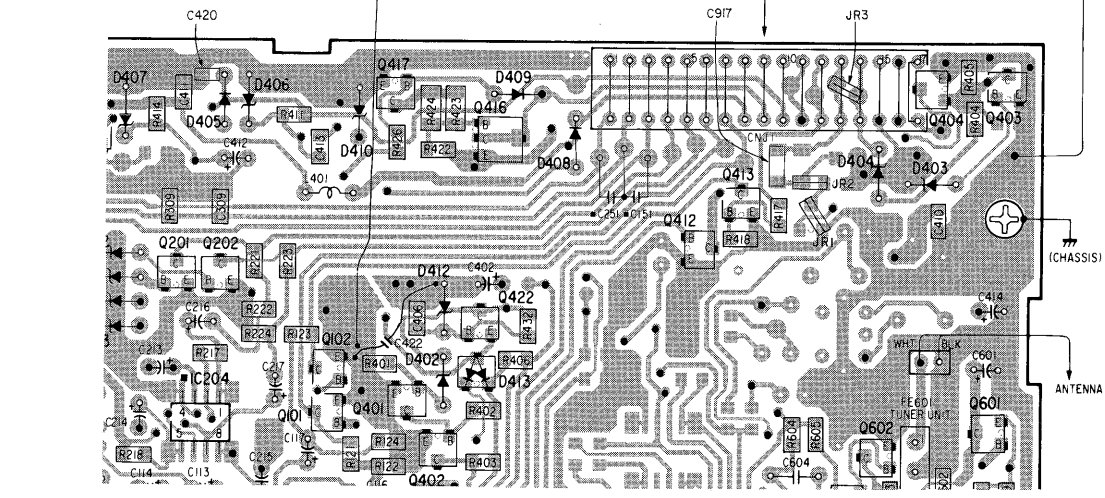
File this supplement with the service manual.

Subject: MAIN BOARD – 12 TYPE

【CONDENSOR BOARD】(SIDE A)



No.	Part No.	Description			
C420	1-162-637-11	CAP, CERAMIC	CHIP	0.47MF	16V
C422	1-162-282-31	CAP, CERAMIC	100PF	10%	50V
C917	1-162-637-11	CAP, CERAMIC	CHIP	0.47MF	16V
JR1	1-216-296-00	METAL GLAZE	0	5%	1/8W
JR2	1-216-295-00	METAL GLAZE	0	5%	1/10W
JR3	1-216-295-00	METAL GLAZE	0	5%	1/10W



【MAIN BOARD】(SIDE A)

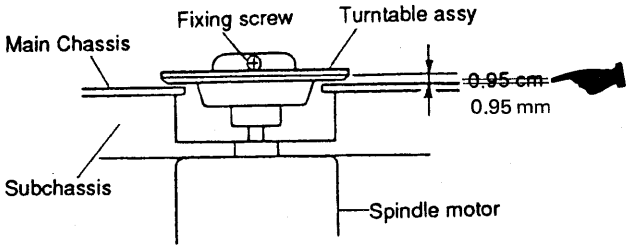
- CORRECTION

(Page. 6)

SECTION 3
MECHANICAL ADJUSTMENTS

Turntable Height Adjustment

Loosen the fixing screws and adjust the height to the specification illustrated.



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SONY®
SERVICE MANUAL

US Model
Canadian Model
E Model

SUPPLEMENT-2

File this supplement with the service manual.

Subject : Change notice for
Main, Display and Condensor Boards.

1. DIAGRAMS
1-1. PRINTED WIRING BOARDS
1-2. SCHEMATIC DIAGRAMS

2. ELECTRICAL PARTS LIST

• Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D101	F-8	D812	B-20	Q202	F-9
D102	F-8	D813	B-21	Q401	F-10
D103	H-8	D814	B-21	Q402	G-10
D201	E-8	D815	B-22	Q403	D-13
D202	E-8	D816	B-23	Q404	D-13
D203	F-8	D817	B-20	Q405	E-19
D301	E-7	D818	B-21	Q406	E-19
D401	E-13	D819	B-21	Q407	E-19
D402	F-10	D820	B-22	Q408	J-9
D403	E-13	D821	B-23	Q409	K-10
D404	E-13	D822	C-19	Q410	E-19
D405	D-9	D823	C-20	Q411	E-16
D406	D-9	D824	C-21	Q412	E-12
D407	E-8	D825	C-21	Q413	E-12
D410	E-10	D826	C-22	Q414	E-17
D411	E-8	D827	C-23	Q415	G-17
D412	F-10	D828	C-23	Q416	E-18
D413	F-10	D829	B-6	Q417	D-10
D414	E-8	D902	D-2	Q418	E-18
D416	E-5			Q419	E-8
D501	J-8	IC101	I-5	Q420	E-22
D502	J-8	IC102	G-8	Q421	E-6
D503	J-8	IC103	G-7	Q422	F-10
D504	J-8	IC104	G-9	Q423	E-20
D505	K-7	IC201	I-5	Q424	E-8
D506	F-4	IC202	F-8	Q425	F-8
D507	F-5	IC203	F-7	Q428	E-23
D509	J-8	IC204	F-9	Q429	E-5
D510	E-5	IC301	K-5	Q430	F-5
D511	E-5	IC302	G-9	Q501	J-19
D521	H-20	IC303	F-6	Q502	K-23
D601	I-13	IC304	G-21	Q503	K-7
D602	I-11	IC305	E-6	Q504	F-4
D603	I-11	IC306	J-5	Q505	J-21
D604	I-11	IC401	D-6	Q601	F-13
D801	A-15	IC402	D-5	Q602	F-13
D802	A-16	IC501	I-9	Q603	G-13
D803	A-17	IC502	I-21	Q604	G-13
D804	C-15	IC503	G-4	Q605	G-13
D805	C-16	IC504	I-10	Q606	G-12
D806	C-17	IC601	J-11	Q607	H-12
D807	C-18	IC801	B-11	Q609	J-13
D808	C-19			Q801	B-10
D809	A-22	Q101	F-9	Q802	B-10
D810	A-22	Q102	F-9	Q803	B-6
D811	A-23	Q201	F-9	Q804	B-6

1. DIAGRAMS

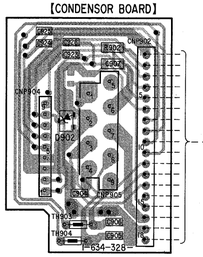
1-1. PRINTED WIRING BOARDS (MAIN Section)

• Refer to page 3 for Semiconductor Location.

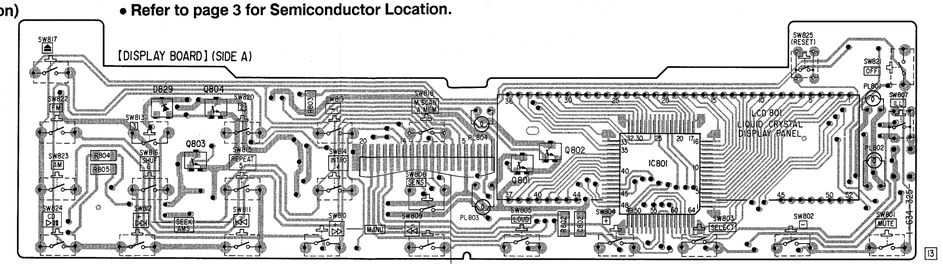
Note:

- ○—— : Parts extracted from the component side.
- ● : Through hole.
- ▒ : Pattern on the side which is seen.
- ▒ : Pattern of the rear side.

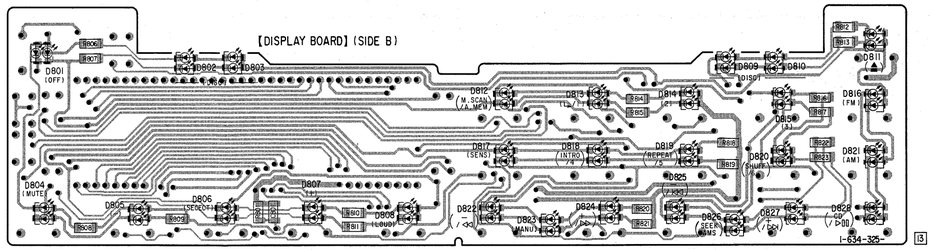
【CONDENSOR BOARD】



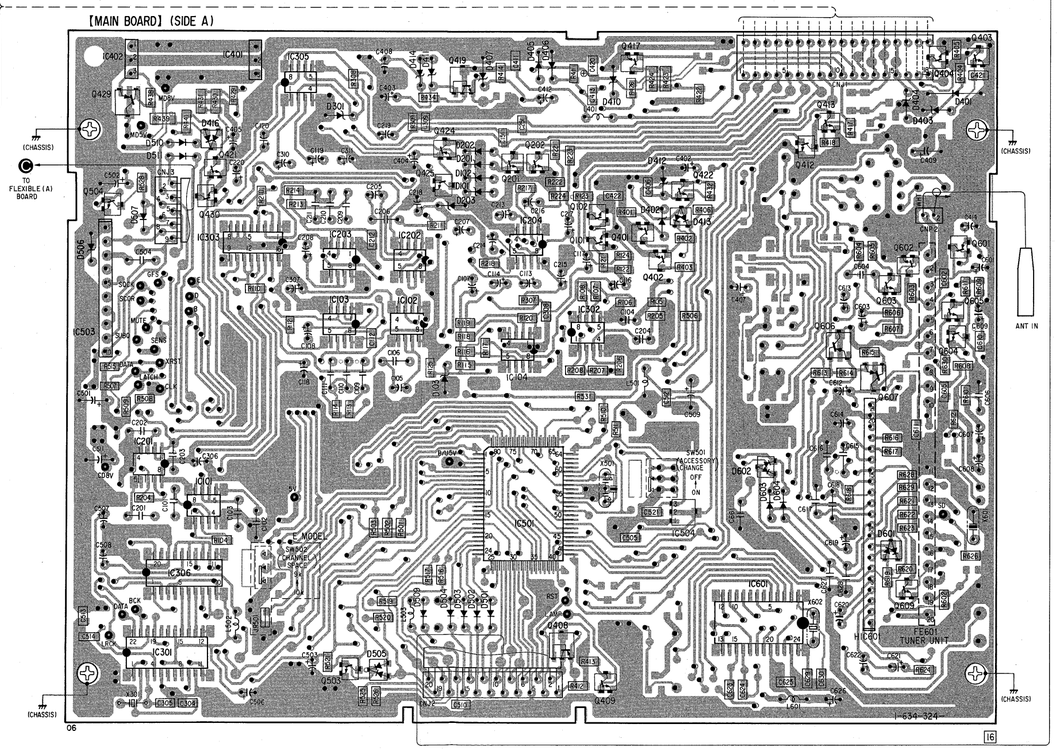
【DISPLAY BOARD】(SIDE A)



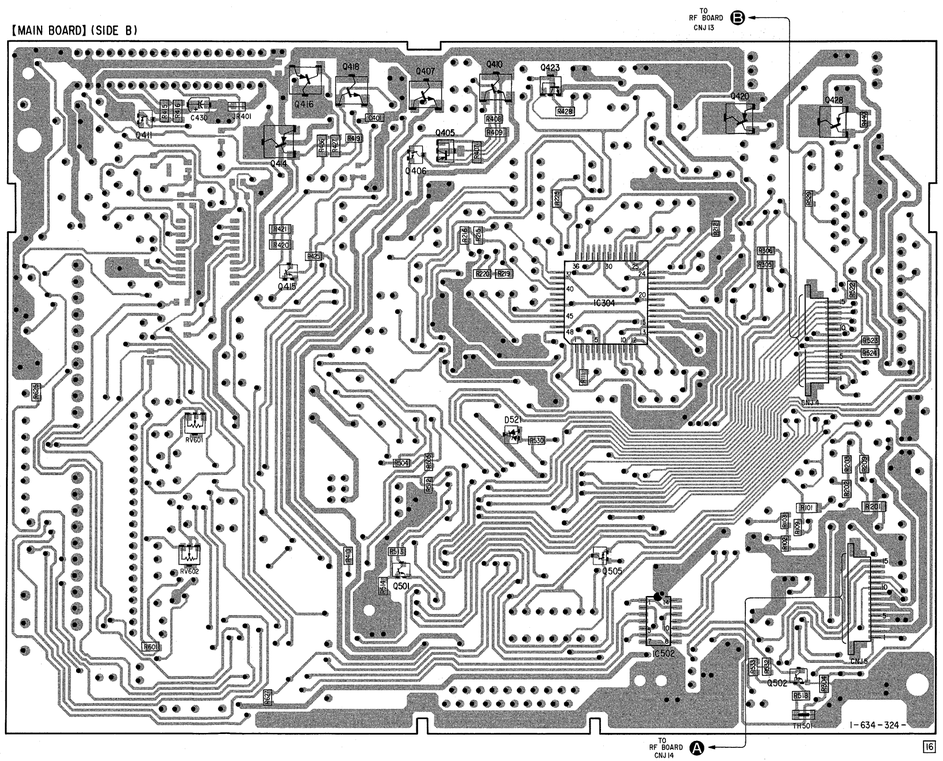
【DISPLAY BOARD】(SIDE B)



【MAIN BOARD】(SIDE A)

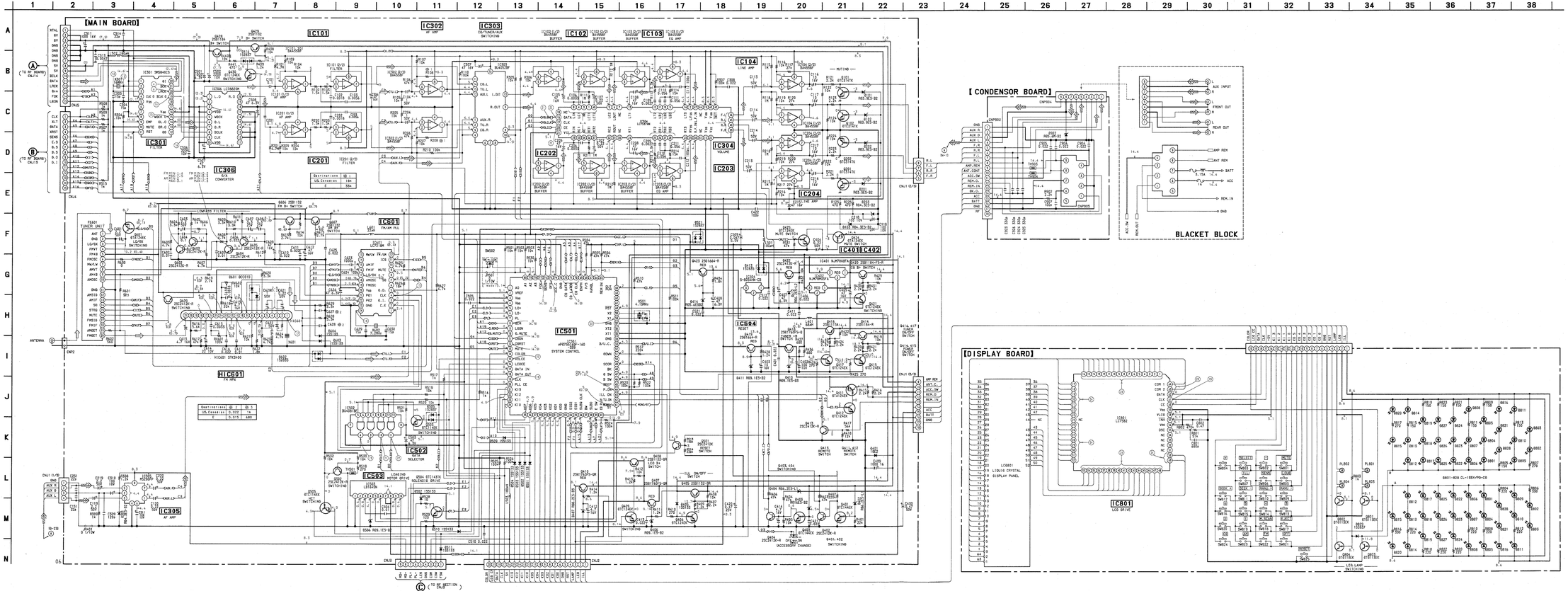


【MAIN BOARD】(SIDE B)



1-2. SCHEMATIC DIAGRAM (MAIN Section)

• IC Block Diagram and Waveform Informations.
Refer to page 30 and page 33 in original service manual (9-955-987-11).



Note: (Main SECTION)

- All capacitors are in μF unless otherwise noted. pF : μμF
  50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/16 W or less unless otherwise specified.
- △ : internal component.
- ═══ : B+ Line.
- Power voltage is dc 14.4V and fed with regulated dc power supply from ACC and BATT cords.
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
  no mark : FM
  ( ) : CD PLAY
  〈 〉: AM
- Voltages are taken with a VOM. (Input impedance 10MΩ)
  Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
  Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : FM
  ⇨ : CD
  ⇨ : AUX

2. ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the part specified in the diagrams or the components used on the set.
- -XX,-X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms
  METAL : Metal-film resistor
  METAL OXIDE : Metal Oxide-film resistor
  F : nonflammable
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case,u : μ ,for example :
  uA... : μA..., uPA... : μPA...,
  uPB... : μPB..., uPC... : μPC...,
  uPD... : μPD...
- CAPACITORS
  uF : μF
- COILS
  uH : μH

When indicating parts by reference number, please include the board name.

Ref. No.	Part No.	Description			Remark
*	1-634-328-11	CONDENSOR BOARD			
		**********			
		< CAPACITOR >			
C904	1-163-063-00	CERAMIC CHIP	0.022uF	10% 50V	
C905	1-163-063-00	CERAMIC CHIP	0.022uF	10% 50V	
C906	1-163-063-00	CERAMIC CHIP	0.022uF	10% 50V	
C907	1-163-181-00	CERAMIC CHIP	100PF	5% 50V	
C923	1-163-129-00	CERAMIC CHIP	330PF	5% 50V	
C924	1-163-129-00	CERAMIC CHIP	330PF	5% 50V	
C925	1-163-129-00	CERAMIC CHIP	330PF	5% 50V	
C926	1-163-129-00	CERAMIC CHIP	330PF	5% 50V	
		< CONNECTOR >			
* CNP902	1-691-112-21	PIN, CONNECTOR 18P			
* CNP904	1-566-006-11	PIN, CONNECTOR (PC BOARD) 9P			
CNP905	1-568-221-12	CONNECTOR (CONDENSER)			
		< DIODE >			
D902	8-719-105-91	DIODE RD5.6M-B2			
		< RESISTOR >			
R902	1-216-206-00	METAL GLAZE	2.2K	5% 1/8W	
		< THERMISTOR >			
TH903	1-809-148-11	THERMISTOR, POSITIVE			
TH904	1-809-148-11	THERMISTOR, POSITIVE			

****

Ref. No.	Part No.	Description	Remark
*	A-3219-239-A	DISPLAY BOARD, COMPLETE	
		**********	
	1-634-335-11	(D) FLEXIBLE BOARD	
*	3-345-319-01	PLATE, LIGHT GUIDE	
*	3-345-335-01	HOLDER (LCD)	
	3-345-373-01	SHEET (DIFFUSION)	
*	4-920-366-01	SPACER (S)	
		< CAPACITOR >	
C801	1-163-201-00	CERAMIC CHIP 680PF 5% 50V	
C802	1-162-637-11	CERAMIC CHIP 0.47uF 16V	
		< DIODE >	
D801	8-719-987-45	DIODE CL-155Y/PG-CD (OFF)	
D802	8-719-987-45	DIODE CL-155Y/PG-CD (DISC)	
D803	8-719-987-45	DIODE CL-155Y/PG-CD (DISC)	
D804	8-719-987-45	DIODE CL-155Y/PG-CD (MUTE)	
D805	8-719-987-45	DIODE CL-155Y/PG-CD (-)	
D806	8-719-987-45	DIODE CL-155Y/PG-CD (SELECT)	
D807	8-719-987-45	DIODE CL-155Y/PG-CD (+)	
D808	8-719-987-45	DIODE CL-155Y/PG-CD (LOUD)	
D809	8-719-987-45	DIODE CL-155Y/PG-CD (DISC)	
D810	8-719-987-45	DIODE CL-155Y/PG-CD (DISC)	
D811	8-719-987-45	DIODE CL-155Y/PG-CD (⏏)	
D812	8-719-987-45	DIODE CL-155Y/PG-CD (M.SCAN/A.MEM)	
D813	8-719-987-45	DIODE CL-155Y/PG-CD (1)	
D814	8-719-987-45	DIODE CL-155Y/PG-CD (2)	
D815	8-719-987-45	DIODE CL-155Y/PG-CD (3)	
D816	8-719-987-45	DIODE CL-155Y/PG-CD (FM)	
D817	8-719-987-45	DIODE CL-155Y/PG-CD (SENS)	
D818	8-719-987-45	DIODE CL-155Y/PG-CD (INTRO/4)	
D819	8-719-987-45	DIODE CL-155Y/PG-CD (REPEAT/5)	
D820	8-719-987-45	DIODE CL-155Y/PG-CD (SHUF/6)	

DISPLAY | MAIN

Ref.No.	Part No.	Description	Remark
D821	8-719-987-45	DIODE CL-155Y/PG-CD (AM)	
D822	8-719-987-45	DIODE CL-155Y/PG-CD (-/ ⏮)	
D823	8-719-987-45	DIODE CL-155Y/PG-CD (MANU)	
D824	8-719-987-45	DIODE CL-155Y/PG-CD (+/ ⏭)	
D825	8-719-987-45	DIODE CL-155Y/PG-CD (-/ ⏮)	
D826	8-719-987-45	DIODE CL-155Y/PG-CD (SEEK/AMS)	
D827	8-719-987-45	DIODE CL-155Y/PG-CD (+/ ⏭)	
D828	8-719-987-45	DIODE CL-155Y/PG-CD (CD/ ⏯)	
D829	8-719-400-18	DIODE MA152WK	
		< IC >	
IC801	8-759-821-44	IC LC7582	
		< LIQUID CRYSTAL DISPLAY >	
LCD801	1-808-983-11	DISPLAY PANEL, LIQUID CRYSTAL	
		< PILOT LAMP >	
PL801	1-518-553-11	LAMP, PILOT	
PL802	1-518-646-11	LAMP, PILOT	
PL803	1-518-553-11	LAMP, PILOT	
PL804	1-518-646-11	LAMP, PILOT	
		< TRANSISTOR >	
Q801	8-729-904-66	TRANSISTOR DTD113EK	
Q802	8-729-904-66	TRANSISTOR DTD113EK	
Q803	8-729-904-66	TRANSISTOR DTD113EK	
Q804	8-729-904-66	TRANSISTOR DTD113EK	
		< RESISTOR >	
R801	1-216-239-00	METAL GLAZE 51K 5% 1/8W	
R802	1-216-262-00	METAL GLAZE 470K 5% 1/8W	
R803	1-216-198-00	METAL CHIP 1K 5% 1/8W	
R804	1-216-182-00	METAL GLAZE 220 5% 1/8W	
R805	1-216-178-00	METAL GLAZE 150 5% 1/8W	
R806	1-216-188-00	METAL GLAZE 390 5% 1/8W	
R807	1-216-184-00	METAL GLAZE 270 5% 1/8W	
R808	1-216-182-00	METAL GLAZE 220 5% 1/8W	
R809	1-216-178-00	METAL GLAZE 150 5% 1/8W	
R810	1-216-182-00	METAL GLAZE 220 5% 1/8W	
R811	1-216-178-00	METAL GLAZE 150 5% 1/8W	
R812	1-216-182-00	METAL GLAZE 220 5% 1/8W	
R813	1-216-178-00	METAL GLAZE 150 5% 1/8W	
R814	1-216-182-00	METAL GLAZE 220 5% 1/8W	
R815	1-216-178-00	METAL GLAZE 150 5% 1/8W	
R816	1-216-188-00	METAL GLAZE 390 5% 1/8W	
R817	1-216-184-00	METAL GLAZE 270 5% 1/8W	
R818	1-216-182-00	METAL GLAZE 220 5% 1/8W	
R819	1-216-178-00	METAL GLAZE 150 5% 1/8W	
R820	1-216-182-00	METAL GLAZE 220 5% 1/8W	

Ref.No.	Part No.	Description	Remark
R821	1-216-178-00	METAL GLAZE 150 5% 1/8W	
R822	1-216-182-00	METAL GLAZE 220 5% 1/8W	
R823	1-216-178-00	METAL GLAZE 150 5% 1/8W	
		< SWITCH >	
SW801	1-554-813-41	SWITCH, KEY BOARD (MUTE)	
SW802	1-554-813-41	SWITCH, KEY BOARD (-)	
SW803	1-554-813-41	SWITCH, KEY BOARD (SELECT)	
SW804	1-554-813-41	SWITCH, KEY BOARD (+)	
SW805	1-554-813-41	SWITCH, KEY BOARD (LOUD)	
SW806	1-554-813-41	SWITCH, KEY BOARD (SENS)	
SW807	1-571-938-21	SWITCH, KEY BOARD (ILL)	
SW809	1-554-813-41	SWITCH, KEY BOARD (MANU(-/ ⏮))	
SW810	1-554-813-41	SWITCH, KEY BOARD (MANU(+/ ⏭))	
SW811	1-554-813-41	SWITCH, KEY BOARD (SEEK/AMS(-/ ⏮))	
SW812	1-554-813-41	SWITCH, KEY BOARD (SEEK/AMS(+/ ⏭))	
SW813	1-554-813-41	SWITCH, KEY BOARD (3)	
SW814	1-554-813-41	SWITCH, KEY BOARD (INTRO/4)	
SW815	1-554-813-41	SWITCH, KEY BOARD (REPEAT/5)	
SW816	1-554-813-41	SWITCH, KEY BOARD (SHUF/6)	
SW817	1-554-813-41	SWITCH, KEY BOARD (⏏)	
SW818	1-554-813-41	SWITCH, KEY BOARD (M.SCAN/A.MEM)	
SW819	1-554-813-41	SWITCH, KEY BOARD (1)	
SW820	1-554-813-41	SWITCH, KEY BOARD (2)	
SW821	1-554-813-41	SWITCH, KEY BOARD (OFF)	
SW822	1-554-813-41	SWITCH, KEY BOARD (FM)	
SW823	1-554-813-41	SWITCH, KEY BOARD (AM)	
SW824	1-554-813-41	SWITCH, KEY BOARD (CD/ ⏯)	
SW825	1-571-938-21	SWITCH, KEY BOARD (RESET)	

****

*	A-3222-145-A	MAIN BOARD, COMPLETE (US, Canadian)
		**********
*	A-3222-146-A	MAIN BOARD, COMPLETE (E)
		**********

< CAPACITOR >

C101	1-136-165-00	FILM	0.1uF	5%	50V
C102	1-130-474-00	MYLAR	0.0018uF	5%	50V
C103	1-130-480-00	MYLAR	0.0056uF	5%	50V
C104	1-124-499-11	ELECT, NONPOLAR	1uF	20%	50V
C105	1-124-589-11	ELECT	47uF	20%	16V
C106	1-130-477-00	MYLAR	0.0033uF	5%	50V
C107	1-124-464-11	ELECT	0.22uF	20%	50V
C108	1-124-589-11	ELECT	47uF	20%	16V
C109	1-130-476-00	MYLAR	0.0027uF	5%	50V
C110	1-136-162-00	FILM	0.056uF	5%	50V
C111	1-136-162-00	FILM	0.056uF	5%	50V
C112	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C113	1-126-301-11	ELECT	1uF	20%	50V
C114	1-126-301-11	ELECT	1uF	20%	50V

MAIN

Ref. No.	Part No.	Description			Remark
C116	1-126-157-11	ELECT	10uF	20%	16V
C117	1-126-157-11	ELECT	10uF	20%	16V
C118	1-124-584-00	ELECT	100uF	20%	10V
C119	1-124-257-00	ELECT	2. 2uF	20%	50V
C120	1-124-464-11	ELECT	0. 22uF	20%	50V
C151	1-163-101-00	CERAMIC CHIP	22PF	5%	50V
C201	1-136-165-00	FILM	0. 1uF	5%	50V
C202	1-130-474-00	MYLAR	0. 0018uF	5%	50V
C203	1-130-480-00	MYLAR	0. 0056uF	5%	50V
C204	1-124-499-11	ELECT, NONPOLAR	1uF	20%	50V
C205	1-124-589-11	ELECT	47uF	20%	16V
C206	1-130-477-00	MYLAR	0. 0033uF	5%	50V
C207	1-124-464-11	ELECT	0. 22uF	20%	50V
C208	1-124-589-11	ELECT	47uF	20%	16V
C209	1-130-476-00	MYLAR	0. 0027uF	5%	50V
C210	1-136-162-00	FILM	0. 056uF	5%	50V
C211	1-136-162-00	FILM	0. 056uF	5%	50V
C212	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C213	1-126-301-11	ELECT	1uF	20%	50V
C214	1-126-301-11	ELECT	1uF	20%	50V
C215	1-124-589-11	ELECT	47uF	20%	16V
C216	1-126-157-11	ELECT	10uF	20%	16V
C217	1-126-157-11	ELECT	10uF	20%	16V
C218	1-124-584-00	ELECT	100uF	20%	10V
C219	1-124-257-00	ELECT	2. 2uF	20%	50V
C220	1-124-464-11	ELECT	0. 22uF	20%	50V
C251	1-163-101-00	CERAMIC CHIP	22PF	5%	50V
C304	1-163-097-00	CERAMIC CHIP	15PF	5%	50V
C305	1-163-097-00	CERAMIC CHIP	15PF	5%	50V
C306	1-124-589-11	ELECT	47uF	20%	16V
C307	1-124-589-11	ELECT	47uF	20%	16V
C308	1-163-037-11	CERAMIC CHIP	0. 022uF	10%	25V
C309	1-163-119-00	CERAMIC CHIP	120PF	5%	50V
C310	1-124-584-00	ELECT	100uF	20%	10V
C311	1-124-584-00	ELECT	100uF	20%	10V
C401	1-163-037-11	CERAMIC CHIP	0. 022uF	10%	25V
C402	1-124-584-00	ELECT	100uF	20%	10V
C403	1-126-157-11	ELECT	10uF	20%	16V
C404	1-124-464-11	ELECT	0. 22uF	20%	50V
C405	1-124-589-11	ELECT	47uF	20%	16V
C406	1-163-037-11	CERAMIC CHIP	0. 022uF	10%	25V
C407	1-126-154-11	ELECT	47uF	20%	6. 3V
C408	1-126-154-11	ELECT	47uF	20%	6. 3V
C409	1-124-360-00	ELECT	1000uF	20%	16V
C411	1-163-037-11	CERAMIC CHIP	0. 022uF	10%	25V
C412	1-126-288-11	ELECT	4. 7uF	20%	16V
C413	1-163-037-11	CERAMIC CHIP	0. 022uF	10%	25V
C414	1-126-288-11	ELECT	4. 7uF	20%	16V
C420	1-135-145-11	TANTALUM CHIP	0. 47uF	10%	35V
C421	1-163-037-11	CERAMIC CHIP	0. 022uF	10%	25V

Ref. No.	Part No.	Description			Remark
C422	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C430	1-126-191-11	ELECT CHIP	0. 47uF	20%	50V
C501	1-126-916-11	ELECT	1000uF	20%	6. 3V
C502	1-126-927-11	ELECT	2200uF	20%	10V
C503	1-126-154-11	ELECT	47uF	20%	6. 3V
C504	1-136-153-00	FILM	0. 01uF	5%	50V
C505	1-163-037-11	CERAMIC CHIP	0. 022uF	10%	25V
C506	1-126-176-11	ELECT	220uF	20%	10V
C507	1-126-154-11	ELECT	47uF	20%	6. 3V
C508	1-126-154-11	ELECT	47uF	20%	6. 3V
C509	1-125-559-11	CAP, DOUBLE LAYERS			0. 047F
C510	1-164-004-11	CERAMIC CHIP	0. 1uF	10%	25V
C511	1-124-360-00	ELECT	1000uF	20%	16V
C512	1-163-037-11	CERAMIC CHIP	0. 022uF	10%	25V
C513	1-163-017-00	CERAMIC CHIP	0. 0047uF	5%	50V
C514	1-163-101-00	CERAMIC CHIP	22PF	5%	50V
C521	1-163-037-11	CERAMIC CHIP	0. 022uF	10%	25V
C601	1-124-257-00	ELECT	2. 2uF	20%	50V
C602	1-164-232-11	CERAMIC CHIP	0. 01uF		50V
C603	1-124-257-00	ELECT	2. 2uF	20%	50V
C604	1-136-165-00	FILM	0. 1uF	5%	50V
C605	1-164-232-11	CERAMIC CHIP	0. 01uF		50V
C606	1-163-157-00	FILM	0. 022uF	5%	50V
C607	1-126-162-11	ELECT	3. 3uF	20%	50V
C608	1-126-162-11	ELECT	3. 3uF	20%	50V
C609	1-124-589-11	ELECT	47uF	20%	16V
C610	1-163-037-11	CERAMIC CHIP	0. 022uF	10%	25V
C611	1-163-037-11	CERAMIC CHIP	0. 022uF	10%	25V
C612	1-124-589-11	ELECT	47uF	20%	16V
C613	1-126-288-11	ELECT	4. 7uF	20%	16V
C614	1-128-054-11	ELECT	22uF	20%	10V
C615	1-130-477-00	MYLAR	0. 0033uF	5%	50V
C616	1-163-157-00	FILM	0. 022uF	5%	50V
C617	1-136-153-00	FILM	0. 01uF	5%	50V
C618	1-130-474-00	MYLAR	0. 0018uF	5%	50V
C619	1-126-288-11	ELECT	4. 7uF	20%	16V
C620	1-126-301-11	ELECT	1uF	20%	50V
C621	1-124-464-11	ELECT	0. 22uF	20%	50V
C622	1-126-301-11	ELECT	1uF	20%	50V
C623	1-163-009-11	CERAMIC CHIP	0. 001uF	10%	50V
C624	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C625	1-163-037-11	CERAMIC CHIP	0. 022uF	10%	25V
C626	1-126-154-11	ELECT	47uF	20%	6. 3V
C627	1-163-157-00	FILM	0. 022uF 5% 50V		(US, Canadian)
C627	1-136-155-00	FILM	0. 015uF 5% 50V		(E)
C628	1-163-157-00	FILM	0. 022uF 5% 50V		(US, Canadian)
C628	1-136-155-00	FILM	0. 015uF 5% 50V		(E)
C629	1-163-097-00	CERAMIC CHIP	15PF	5%	50V
C630	1-163-097-00	CERAMIC CHIP	15PF	5%	50V

MAIN

Ref. No.	Part No.	Description	Remark
		< JACK >	
* CNJ1	1-691-111-21	SOCKET, CONNECTOR 18P	
* CNJ2	1-563-003-21	SOCKET, CONNECTOR 20P	
* CNJ3	1-569-630-11	SOCKET, CONNECTOR 9P	
CNJ4	1-566-531-11	CONNECTOR, FPC (ZIF) 15P	
CNJ5	1-566-531-11	CONNECTOR, FPC (ZIF) 15P	
		< CONNECTOR >	
* CNP2	1-506-984-11	PIN, CONNECTOR (PC BOARD) 2P	
		< DIODE >	
D101	8-719-109-72	DIODE RD3.9ES-B2	
D102	8-719-109-72	DIODE RD3.9ES-B2	
D103	8-719-109-75	DIODE RD4.3ES-B2	
D201	8-719-109-72	DIODE RD3.9ES-B2	
D202	8-719-109-72	DIODE RD3.9ES-B2	
D203	8-719-109-75	DIODE RD4.3ES-B2	
D301	8-719-109-75	DIODE RD4.3ES-B2	
D401	8-719-200-82	DIODE 11ES2	
D402	8-719-120-75	DIODE RD6.2ES-L1	
D403	8-719-110-46	DIODE RD16ES-B3	
D404	8-719-120-75	DIODE RD6.2ES-L1	
D405	8-719-911-19	DIODE 1SS119	
D406	8-719-110-13	DIODE RD9.1ES-B2	
D407	8-719-110-09	DIODE RD8.2ES-B3	
D410	8-719-110-14	DIODE RD9.1ES-B3	
D411	8-719-110-13	DIODE RD9.1ES-B2	
D412	8-719-120-78	DIODE RD6.2ES-L3	
D413	8-719-104-34	DIODE 1S2836	
D414	8-719-109-89	DIODE RD5.6ES-B2	
D416	8-719-400-18	DIODE MA152WK	
D501	8-719-911-19	DIODE 1SS119	
D502	8-719-911-19	DIODE 1SS119	
D503	8-719-911-19	DIODE 1SS119	
D504	8-719-911-19	DIODE 1SS119	
D505	8-719-400-18	DIODE MA152WK	
D506	8-719-110-13	DIODE RD9.1ES-B2	
D507	8-719-911-19	DIODE 1SS119	
D509	8-719-911-19	DIODE 1SS119	
D510	8-719-911-19	DIODE 1SS119	
D511	8-719-911-19	DIODE 1SS119	
D521	8-719-400-18	DIODE MA152WK	
D601	8-719-800-76	DIODE 1SS226	
D602	8-719-104-34	DIODE 1S2836	
D603	8-719-911-19	DIODE 1SS119	
D604	8-719-911-19	DIODE 1SS119	
		< FRONTEND >	
FE601	1-465-140-11	TUNER UNIT	

Ref. No.	Part No.	Description	Remark
		< IC >	
HIC601	1-808-515-11	IC NMX3S900 (E)	
HIC601	1-808-516-11	IC NMX3S920 (US, Canadian)	
		< IC >	
IC101	8-759-909-71	IC BA4558F	
IC102	8-759-909-71	IC BA4558F	
IC103	8-759-909-71	IC BA4558F	
IC104	8-759-909-71	IC BA4558F	
IC201	8-759-909-71	IC BA4558F	
IC202	8-759-909-71	IC BA4558F	
IC203	8-759-909-71	IC BA4558F	
IC204	8-759-909-71	IC BA4558F	
IC301	8-759-501-31	IC SM5840CS	
IC302	8-759-909-71	IC BA4558F	
IC303	8-759-932-64	IC BU4052BF	
IC304	8-759-820-15	IC LC7537AN	
IC305	8-759-631-00	IC M5280FP	
IC306	8-759-822-61	IC LC78820M	
IC401	8-759-982-07	IC NJM7808FA	
IC402	8-759-701-56	IC NJM78M05FA	
IC501	8-759-151-43	IC uPD75516GF-160-3B9	
IC502	8-759-932-86	IC BU4081BF	
IC503	8-759-802-76	IC LB1645N	
IC504	8-759-940-45	IC S-8054HN-CB	
IC601	8-759-821-43	IC LC7218M	
		< JUMPER RESISTOR >	
JR401	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR501	1-216-295-00	METAL CHIP 0 5% 1/10W (E)	
		< COIL >	
L401	1-410-333-31	INDUCTOR 68uH	
L501	1-408-424-00	INDUCTOR 180uH	
L502	1-408-424-00	INDUCTOR 180uH	
L503	1-408-424-00	INDUCTOR 180uH	
L601	1-410-513-11	INDUCTOR 22uH	
		< TRANSISTOR >	
Q101	8-729-920-21	TRANSISTOR DTC314TKH04	
Q102	8-729-920-21	TRANSISTOR DTC314TKH04	
Q201	8-729-920-21	TRANSISTOR DTC314TKH04	
Q202	8-729-920-21	TRANSISTOR DTC314TKH04	
Q401	8-729-901-01	TRANSISTOR DTC144EK	
Q402	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q403	8-729-901-01	TRANSISTOR DTC144EK	
Q404	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q405	8-729-106-60	TRANSISTOR 2SB1115A	
Q406	8-729-901-00	TRANSISTOR DTC124EK	

Ref. No.	Part No.	Description		Remark
Q407	8-729-921-48	TRANSISTOR	2SD1760F5-Q	
Q408	8-729-106-60	TRANSISTOR	2SB1115A	
Q409	8-729-901-00	TRANSISTOR	DTC124EK	
Q410	8-729-921-48	TRANSISTOR	2SD1760F5-Q	
Q411	8-729-901-05	TRANSISTOR	DTA124EK	
Q412	8-729-901-00	TRANSISTOR	DTC124EK	
Q413	8-729-422-27	TRANSISTOR	2SD601A-Q	
Q414	8-729-105-29	TRANSISTOR	2SA1385	
Q415	8-729-901-00	TRANSISTOR	DTC124EK	
Q416	8-729-105-29	TRANSISTOR	2SA1385	
Q417	8-729-901-00	TRANSISTOR	DTC124EK	
Q418	8-729-921-48	TRANSISTOR	2SD1760F5-Q	
Q419	8-729-920-85	TRANSISTOR	2SD1664-QR	
Q420	8-729-105-29	TRANSISTOR	2SA1385	
Q421	8-729-901-00	TRANSISTOR	DTC124EK	
Q422	8-729-422-27	TRANSISTOR	2SD601A-Q	
Q423	8-729-920-85	TRANSISTOR	2SD1664-QR	
Q424	8-729-901-05	TRANSISTOR	DTA124EK	
Q425	8-729-901-00	TRANSISTOR	DTC124EK	
Q428	8-729-105-29	TRANSISTOR	2SA1385	
Q429	8-729-106-60	TRANSISTOR	2SB1115A	
Q430	8-729-901-00	TRANSISTOR	DTC124EK	
Q501	8-729-422-27	TRANSISTOR	2SD601A-Q	
Q502	8-729-422-27	TRANSISTOR	2SD601A-Q	
Q503	8-729-900-53	TRANSISTOR	DTC114EK	
Q504	8-729-900-98	TRANSISTOR	DTC143TK	
Q505	8-729-900-53	TRANSISTOR	DTC114EK	
Q601	8-729-901-05	TRANSISTOR	DTA124EK	
Q602	8-729-422-27	TRANSISTOR	2SD601A-Q	
Q603	8-729-422-27	TRANSISTOR	2SD601A-Q	
Q604	8-729-901-81	TRANSISTOR	2SC2412K-T-146-R	
Q605	8-729-901-81	TRANSISTOR	2SC2412K-T-146-R	
Q606	8-729-106-60	TRANSISTOR	2SB1115A	
Q607	8-729-106-60	TRANSISTOR	2SB1115A	
Q609	8-729-422-27	TRANSISTOR	2SD601A-Q	

< RESISTOR >

R101	1-216-286-00	METAL GLAZE	4.7M	5%	1/8W	
R102	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R103	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R104	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R105	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R106	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R107	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R108	1-216-079-00	METAL CHIP	18K	5%	1/10W	(US, Canadian)
R108	1-216-085-00	METAL CHIP	33K	5%	1/10W	(E)
R109	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R110	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R111	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R112	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R113	1-216-061-00	METAL CHIP	3.3K	5%	1/10W	
R114	1-216-077-00	METAL CHIP	15K	5%	1/10W	
R115	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R116	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R117	1-216-083-00	METAL CHIP	27K	5%	1/10W	
R118	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R119	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R120	1-216-083-00	METAL CHIP	27K	5%	1/10W	
R121	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	
R122	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R123	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	
R124	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R125	1-216-041-00	METAL CHIP	470	5%	1/10W	
R201	1-216-286-00	METAL GLAZE	4.7M	5%	1/8W	
R202	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R203	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R204	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R205	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R206	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R207	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R208	1-216-079-00	METAL CHIP	18K	5%	1/10W	(US, Canadian)
R208	1-216-085-00	METAL CHIP	33K	5%	1/10W	(E)
R209	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R210	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R211	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R212	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R213	1-216-061-00	METAL CHIP	3.3K	5%	1/10W	
R214	1-216-077-00	METAL CHIP	15K	5%	1/10W	
R215	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R216	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R217	1-216-083-00	METAL CHIP	27K	5%	1/10W	
R218	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R219	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R220	1-216-083-00	METAL CHIP	27K	5%	1/10W	
R221	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	
R222	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R223	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	
R224	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R225	1-216-041-00	METAL CHIP	470	5%	1/10W	
R304	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R305	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R306	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R307	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R308	1-216-051-00	METAL CHIP	1.2K	5%	1/10W	
R309	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R401	1-216-081-00	METAL CHIP	22K	5%	1/10W	
R402	1-216-105-00	METAL CHIP	220K	5%	1/10W	
R403	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R404	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R405	1-216-073-00	METAL CHIP	10K	5%	1/10W	

MAIN

Ref. No.	Part No.	Description			Remark
R406	1-216-089-00	METAL CHIP	47K	5%	1/10W
R407	1-216-206-00	METAL GLAZE	2.2K	5%	1/8W
R408	1-216-073-00	METAL CHIP	10K	5%	1/10W
R409	1-216-206-00	METAL GLAZE	2.2K	5%	1/8W
R410	1-216-035-00	METAL CHIP	270	5%	1/10W
R411	1-216-051-00	METAL CHIP	1.2K	5%	1/10W
R412	1-216-073-00	METAL CHIP	10K	5%	1/10W
R413	1-216-051-00	METAL CHIP	1.2K	5%	1/10W
R414	1-216-051-00	METAL CHIP	1.2K	5%	1/10W
R415	1-216-206-00	METAL GLAZE	2.2K	5%	1/8W
R416	1-216-206-00	METAL GLAZE	2.2K	5%	1/8W
R417	1-216-091-00	METAL CHIP	56K	5%	1/10W
R418	1-216-075-00	METAL CHIP	12K	5%	1/10W
R419	1-216-073-00	METAL CHIP	10K	5%	1/10W
R420	1-216-206-00	METAL GLAZE	2.2K	5%	1/8W
R421	1-216-206-00	METAL GLAZE	2.2K	5%	1/8W
R422	1-216-073-00	METAL CHIP	10K	5%	1/10W
R423	1-216-206-00	METAL GLAZE	2.2K	5%	1/8W
R424	1-216-206-00	METAL GLAZE	2.2K	5%	1/8W
R425	1-216-035-00	METAL CHIP	270	5%	1/10W
R426	1-216-035-00	METAL CHIP	270	5%	1/10W
R427	1-216-194-00	METAL CHIP	680	5%	1/8W
R428	1-216-051-00	METAL CHIP	1.2K	5%	1/10W
R429	1-216-073-00	METAL CHIP	10K	5%	1/10W
R430	1-216-206-00	METAL GLAZE	2.2K	5%	1/8W
R431	1-216-206-00	METAL GLAZE	2.2K	5%	1/8W
R432	1-216-073-00	METAL CHIP	10K	5%	1/10W
R434	1-216-055-00	METAL CHIP	1.8K	5%	1/10W
R436	1-216-194-00	METAL CHIP	680	5%	1/8W
R438	1-216-073-00	METAL CHIP	10K	5%	1/10W
R439	1-216-200-00	METAL GLAZE	1.2K	5%	1/8W
R440	1-216-073-00	METAL CHIP	10K	5%	1/10W
R441	1-216-190-00	METAL GLAZE	470	5%	1/8W
R501	1-216-073-00	METAL CHIP	10K	5%	1/10W
R502	1-216-073-00	METAL CHIP	10K	5%	1/10W
R503	1-216-073-00	METAL CHIP	10K	5%	1/10W
R504	1-216-089-00	METAL CHIP	47K	5%	1/10W
R505	1-216-089-00	METAL CHIP	47K	5%	1/10W
R506	1-216-089-00	METAL CHIP	47K	5%	1/10W
R507	1-216-049-00	METAL CHIP	1K	5%	1/10W
R508	1-216-049-00	METAL CHIP	1K	5%	1/10W
R509	1-216-049-00	METAL CHIP	1K	5%	1/10W
R510	1-216-089-00	METAL CHIP	47K	5%	1/10W
R511	1-216-097-00	METAL CHIP	100K	5%	1/10W
R512	1-216-105-00	METAL CHIP	220K	5%	1/10W
R513	1-216-097-00	METAL CHIP	100K	5%	1/10W
R514	1-216-105-00	METAL CHIP	220K	5%	1/10W
R515	1-216-049-00	METAL CHIP	1K	5%	1/10W
R516	1-216-049-00	METAL CHIP	1K	5%	1/10W
R517	1-216-049-00	METAL CHIP	1K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R518	1-216-035-00	METAL CHIP	270	5%	1/10W
R519	1-216-073-00	METAL CHIP	10K	5%	1/10W
R520	1-216-073-00	METAL CHIP	10K	5%	1/10W
R521	1-216-073-00	METAL CHIP	10K	5%	1/10W
R522	1-216-097-00	METAL CHIP	100K	5%	1/10W
R523	1-216-097-00	METAL CHIP	100K	5%	1/10W
R524	1-216-097-00	METAL CHIP	100K	5%	1/10W
R525	1-216-097-00	METAL CHIP	100K	5%	1/10W
R526	1-216-097-00	METAL CHIP	100K	5%	1/10W
R528	1-216-001-00	METAL CHIP	10	5%	1/10W
R529	1-216-027-00	METAL CHIP	120	5%	1/10W
R530	1-216-073-00	METAL CHIP	10K	5%	1/10W
R531	1-216-089-00	METAL CHIP	47K	5%	1/10W
R532	1-216-073-00	METAL CHIP	10K	5%	1/10W
R533	1-216-073-00	METAL CHIP	10K	5%	1/10W
R601	1-216-049-00	METAL CHIP	1K	5%	1/10W (US, Canadian)
R601	1-216-045-00	METAL CHIP	680	5%	1/10W (E)
R602	1-216-043-00	METAL CHIP	560	5%	1/10W
R603	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R604	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R605	1-216-049-00	METAL CHIP	1K	5%	1/10W
R606	1-216-049-00	METAL CHIP	1K	5%	1/10W
R607	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R608	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R609	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R610	1-216-063-00	METAL CHIP	3.9K	5%	1/10W
R611	1-216-049-00	METAL CHIP	1K	5%	1/10W
R612	1-216-049-00	METAL CHIP	1K	5%	1/10W
R613	1-216-059-00	METAL CHIP	2.7K	5%	1/10W
R614	1-216-073-00	METAL CHIP	10K	5%	1/10W
R615	1-216-059-00	METAL CHIP	2.7K	5%	1/10W
R616	1-216-067-00	METAL CHIP	5.6K	5%	1/10W
R617	1-216-089-00	METAL CHIP	47K	5%	1/10W
R618	1-216-080-00	METAL CHIP	20K	5%	1/10W
R619	1-216-059-00	METAL CHIP	2.7K	5%	1/10W
R620	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R621	1-216-073-00	METAL CHIP	10K	5%	1/10W
R622	1-216-055-00	METAL CHIP	1.8K	5%	1/10W
R623	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R624	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R625	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R626	1-216-079-00	METAL CHIP	18K	5%	1/10W
R627	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R628	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R629	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R630	1-216-295-00	METAL CHIP	0	5%	1/10W

Ref.No.	Part No.	Description	Remark
		< VARIABLE RESISTOR >	
RV601	1-238-716-11	RES, ADJ, METAL GLAZE 100K	
RV602	1-238-713-11	RES, ADJ, METAL GLAZE 10K	
		< SWITCH >	
SW501	1-572-186-21	SWITCH, SLIDE (ACCESSORY CHANGE)	
SW502	1-553-510-00	SWITCH, SLIDE (CHANNEL SPACE)	(E)
		< THERMISTOR >	
TH501	1-808-656-11	THERMISTOR	
		< VIBRATOR >	
X301	1-567-820-11	VIBRATOR, CRYSTAL (16.9344MHz)	
X501	1-567-775-11	VIBRATOR, CERAMIC (4.19MHz)	
X601	1-567-250-11	OSCILLATOR, CERAMIC (18.95kHz)	
X602	1-567-848-11	VIBRATOR, CRYSTAL (7.2MHz)	

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CDX-7520

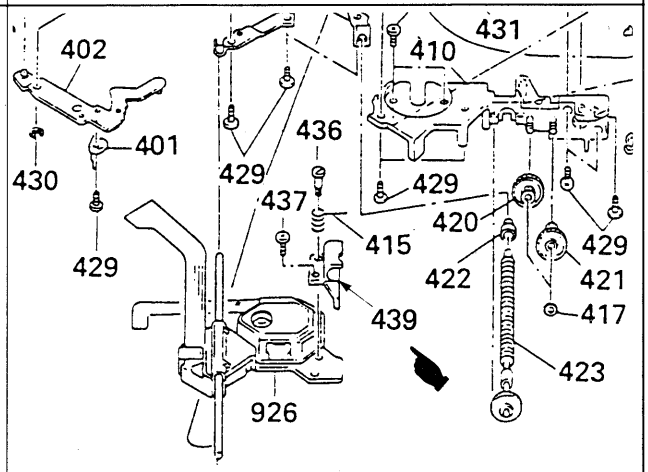
SONY®
SERVICE MANUAL

US Model
Canadian Model
E Model

CORRECTION-1

Please correct your Service Manual.

☛ : corrected portion

PAGE	INCORRECT	CORRECT
40	Not Supplied	

Ref. No.	Part. No.	Description	Remark
439	2-625-272-02	NUT, FEED	

9-955-987-91

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